

Remediation Summary & Deferral Request

Mewbourne Oil Company

Layla 27 SWD #001

Eddy County, New Mexico

Unit Letter "H", Section 27, Township 23 South, Range 28 East

Latitude 32.27803 North, Longitude 104.06982 West

NMOCD Reference No. nAPP2428849677

Prepared By:

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6309 Indiana Ave, Ste. D

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February 12, 2026



Ben J. Arguijo



Lance Crenshaw



Midland • San Antonio • Lubbock • Hobbs • Lafayette

TABLE OF CONTENTS

	<i>Section</i>
PROJECT INFORMATION.....	1.0
SITE CHARACTERIZATION.....	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE.....	3.0
SITE ASSESSMENT.....	4.0
REGULATORY APPROVALS & STIPULATIONS.....	5.0
REMEDIATION ACTIVITIES SUMMARY.....	6.0
DEFERRAL REQUEST.....	7.0
RESTORATION, RECLAMATION & RE-VEGETATION PLAN.....	8.0
LIMITATIONS.....	9.0
DISTRIBUTION.....	10.0

FIGURES

- Figure 1 – Site Location Map
- Figure 2A – Site Characterization Map (0.5-Mile Radius)
- Figure 2B – Site Characterization Map (5-Mile Radius)
- Figure 3 – Inferred Depth to Groundwater Map
- Figure 4 – Sample Location Map - Delineation
- Figure 5 – Sample Location Map - Excavation

TABLES

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

APPENDICES

- Appendix A - Depth to Groundwater Information
- Appendix B - Pad Liner Installation (2016)
- Appendix C - Environmental Karst Study Report
- Appendix D - Regulatory Correspondence
- Appendix E - Field Data
- Appendix F - Photographic Log
- Appendix G - Liner Integrity Inspection Report
- Appendix H - Laboratory Analytical Reports

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company (Mewbourne), has prepared this *Remediation Summary & Deferral Request* for the release site known as the Layla 27 SWD #001 (Site). Details of the release are summarized below:

Location of Release Source				
Latitude: <u>32.27803</u>		Longitude <u>-104.06982</u>		
Provided GPS are in WGS84 format.				
Site Name: <u>Layla 27 SWD #001</u>		Site Type: <u>Salt Water Disposal (SWD) Flowline</u>		
Date Release Discovered: <u>10/5/2024</u>		API # (if applicable): <u>30-015-33900</u>		
Unit Letter	Section	Township	Range	County
"H"	27	23S	28E	Eddy
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Private (Name <u>Dorothy W. Queen Revocable Trust</u>)				
Nature and Volume of Release				
<input type="checkbox"/> Crude Oil	Volume Released (bbls)		Volume Recovered (bbls)	
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>305</u>		Volume Recovered (bbls) <u>250</u>	
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released		Volume/Weight Recovered	
Cause of Release: <u>Flow Line - Injection. Mechanical failure of a threaded flange.</u>				
Initial Response				
<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.				

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

2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 26 and 50 (ft.)
What method was used to determine the depth to groundwater?	NM OSE iWaters Database Search
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	Between 300 and 500 (ft.)
A continuously flowing watercourse or any other significant watercourse?	Between ½ and 1 (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?	Between 1,000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between 300 and 500 (ft.)
Any other fresh water well or spring?	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	Between 300 and 500 (ft.)
A wetland?	Greater than 5 (mi.)
A subsurface mine?	Between 500 and 1,000 (ft.)
A (non-karst) unstable area?	Low
Categorize the risk of this well/site being in a karst geology.	Between 1 and 5 (mi.)
A 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production or storage site?	

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

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2A, 2B, and 3.

In July 2016, in conjunction with the remediation of NMOCD Incident #nAB1609149408 (2RP-3626), an impermeable, high-density polyethylene (HDPE) liner was installed in the footprint of the entire production pad for the Layla 27 SWD #001 tank battery at depths ranging from approximately one (1) to four (4) feet bgs. The footprint of the pad liner is depicted in Figure 4, "Sample Location Map - Delineation". Photographs of the 2016 liner installation are provided in Appendix B.

A karst study of the affected area was conducted by a third-party environmental contractor in April 2025. According to the *Environmental Karst Study Report* (Karst Survey) dated May 23, 2025, "The LS271 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary. One recognized surface feature exists within the 200-meter survey boundary. This feature is likely related to soil piping and represents a safety hazard, but not a karst hazard. The LS271 survey contains one high-resistivity anomaly which we interpret as a subsurface void. This feature exists outside of the 200-foot (61-meter) survey boundary. This feature may represent a collapse risk and present a hazard to equipment operators working in that area. A moderately 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 C.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Site are as listed in the table on the following page.

Closure Criteria for Soils Impacted by a Release

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria**†	Reclamation Standards*‡
Between 26 and 50 (ft.)	Chloride (Cl ⁻)	EPA** 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	Gas Range Organics + Diesel Range Organics (GRO+DRO)	EPA SW-846 Method 8015M	N/A	N/A
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

** Environmental Protection Agency

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

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

4.0 SITE ASSESSMENT

On February 14, 2025, Etech conducted a site assessment. During the site assessment, four (4) test trenches (TT-1 through TT-4) were advanced within the margins of the release in an effort to determine the vertical extent of impacted soil. In addition, six (6) hand-augered soil bores (NH, EH 1, EH 2, SH, WH 1, and WH 2) were advanced along the release margins to determine the horizontal extent of impacted soil.

The test trenches were advanced in one-foot increments until the liner underlying the Site was encountered, which ranged from approximately one (1) foot bgs in trench TT-1 to approximately three (3) feet bgs in trenches TT-2, TT-3, and TT-4. Inspections of the exposed portions of the liner were performed to check its integrity and confirm that it remained intact. No holes or breaches were discovered during the inspections.

During the advancement of the test trenches and hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit. Based on field observations and field test data, a total of 20 delineation soil samples (TT-1 @ Surf, TT-1 @ 1', TT-2 @ Surf through TT-2 @ 3', TT-3 @ Surf through TT-3 @ 3', TT-4 @ Surf through TT-4 @ 3', NH, EH-1, EH-2, SH, WH-1, and WH-2) were submitted to a certified commercial laboratory ("the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the horizontal extent of impacted soil was adequately defined in the areas characterized by sample points NH, EH 1, EH 2, SH, WH 1, and WH 2.

Delineation sample points, the extent of the affected area, and the footprint of the pad liner referenced in Section 2.0 above are depicted in Figure 4, "Sample Location Map - Delineation." Soil chemistry data is summarized in Table 1. Field data is provided in Appendix E. General photographs of the Site are provided in Appendix F. A "Liner Integrity Inspection Report" is provided in Appendix G. Laboratory analytical reports are provided in Appendix H.

5.0 REGULATORY APPROVALS & STIPULATIONS

On December 12, 2024, a *Proposed Remediation Plan* (Initial Workplan) was submitted to the NMOCD outlining remedial activities designed to advance the Site toward an approved closure. The NMOCD subsequently denied the remediation plan on the grounds that the extent of the release had not been delineated horizontally or vertically, and the depth to groundwater determination was inadequate, as it did not include gauging data from a recently drilled well nearby.

On August 20, 2025, a *Site Assessment Summary, Variance Request & Proposed Remediation Plan* (Amended Workplan) was submitted to the NMOCD detailing the findings of the February 14, 2025, site assessment and outlining an amended list of remedial activities designed to advance the Site toward an approved closure. Etech, on behalf of Mewbourne, requested a variance from the requirements of Subsections 19.15.29.12.C(3) and 19.15.29.13.D(1) NMAC, as well as from the NMOCD's position that "soil standards below 4 feet must be delineated/remediated to Table 1 Closure Criteria for the approved site-specific depth to groundwater" (see rejection email dated January 10, 2025, provided in Appendix D). Relaxation of the chloride closure criterion from 600 mg/kg to 10,000 mg/kg was also requested.

On November 14, 2025, the Amended Workplan was conditionally approved by the NMOCD with the stipulation that "material impacted above the 600 mg/kg level as required under part 29 must be excavated to the maximum extent practicable to protect the existing liner, minimally 3' bgs" (see approval email dated November 14, 2025, provided in Appendix D). The request for relaxation of the chloride closure criterion was denied.

Given that test trenches TT-1 through TT-4 were advanced to the HDPE liner underlying the Site and exhibited chloride concentrations ranging from 1,250 to 60,000 mg/kg, adherence to the NMOCD's added stipulation would have required excavation to the liner, potentially compromising its integrity and impermeability. As such, a representative of the NMOCD was consulted via telephone to determine a path forward to regulatory closure of the release. Authorization was received from the NMOCD to leave a protective cushion of impacted soil in-situ above the liner to prevent damage during the course of remediation activities. Remediation of impacted soil remaining in-situ would be deferred until decommissioning and abandonment of the facility.

The complete text of the Initial Workplan and Amended Workplan are available in the NMOCD Permitting system. Copies of all regulatory correspondence are provided in Appendix D.

6.0 REMEDIATION ACTIVITIES SUMMARY

On December 1, 2025, remediation activities commenced at the Site. In accordance with the NMOCD-approved Amended Workplan, impacted soil affected above the Closure Criteria was excavated to the extent practicable to prevent damage to the underlying HDPE liner. Excavated soil was 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 sidewalls were advanced to the extent practicable or until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the Closure Criteria. Representative five-point composite confirmation soil samples were collected every 200 square feet to be submitted for laboratory analysis.

Potholes were advanced in select areas of the excavation floor to check the integrity of the liner and confirm that it remained intact. No holes or breaches were discovered during the inspections.

On December 10, 2025, Etech collected 48 confirmation soil samples (FL 1 @ 2' through FL 39 @ 2', NW 1, NW 2, EW 1, EW 2, SW 1, SW 2, WW 1, WW 2, and WW 3) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable Closure Criteria and/or laboratory method detection limit (MDL) in each of the submitted soil samples, with the exception of samples FL 14 @ 2', NW 1, and WW 2, which exceeded the Closure Criterion for TPH. Chloride concentrations exceeded the Closure Criterion in each of the submitted samples, with the exception of samples NW 2 and EW 2, which were below the laboratory MDL.

On December 11, 2025, Etech collected 52 confirmation soil samples (FL 40 @ 2' through FL 88 @ 2', EW 3, SW 3, and SW 4) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable Closure Criteria and/or laboratory MDL in each of the submitted soil samples, with the exception of samples FL 88 @ 2' and SW 4, which exceeded the Closure Criterion for TPH. Chloride concentrations exceeded the Closure Criterion in each of the submitted samples, with the exception of samples EW 3 and SW 3, which were below the laboratory MDL.

Additional horizontal delineation of the release to the north, south, and west of the SWD facility was deemed impracticable due to the presence of the underlying HDPE liner and would have required encroachment into previously undisturbed areas.

The final dimensions of the excavated area were approximately 198 feet in length, 24 to 80 feet in width, and two (2) feet in depth. During the course of remediation activities, Etech transported approximately 976 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 1,080 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 5, "Sample Location Map - Excavation". Soil chemistry data is summarized in Table 1. A field data log is provided in Appendix E. General photographs of the release site are provided in Appendix F. Laboratory analytical reports are provided in Appendix H.

7.0 DEFERRAL REQUEST

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

8.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

On December 18, 2025, a 5-point composite soil sample (Stockpile Sample) was collected from the imported material stockpiled on-site to ensure that it was suitable for use as backfill. 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 and Reclamation Standards, confirming that it was acceptable for use as backfill.

Upon receipt of all confirmation soil sample results, areas affected by remediation 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 stockpiled on-site 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.

Final reclamation and revegetation will be completed upon decommissioning and abandonment of the facility.

9.0 LIMITATIONS

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

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

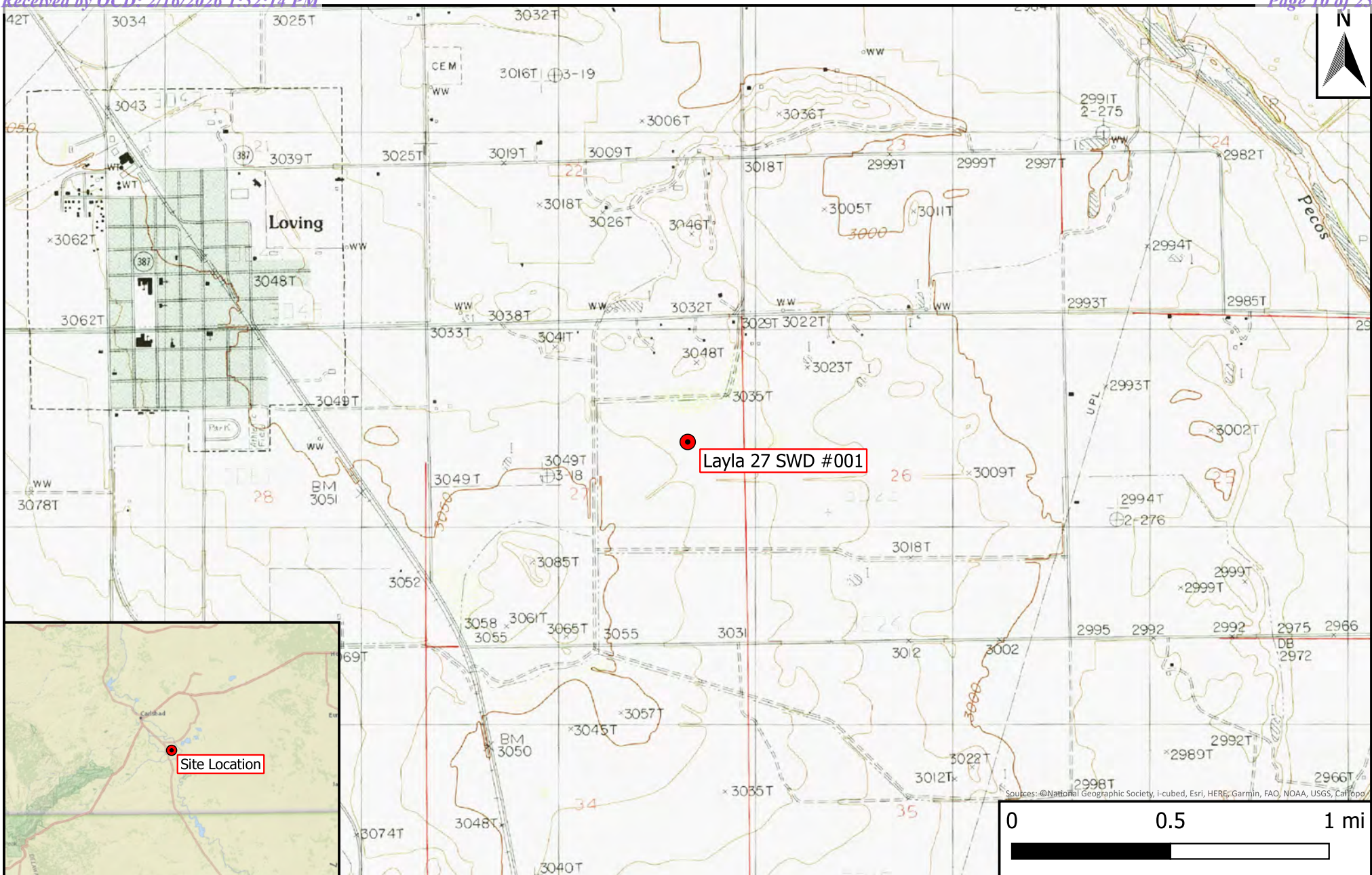
10.0 DISTRIBUTION

Mewbourne Oil Company
4801 Business Park Blvd.
Hobbs, NM 88240

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

(Electronic Submission)

Figures



Legend
 ● Site Location

Figure 1
 Site Location Map
 Mewbourne Oil Company
 Layla 27 SWD #001
 GPS: 32.27803, -104.06982
 Eddy County, New Mexico



Drafted: bja Checked: rlc Date: 11/18/24

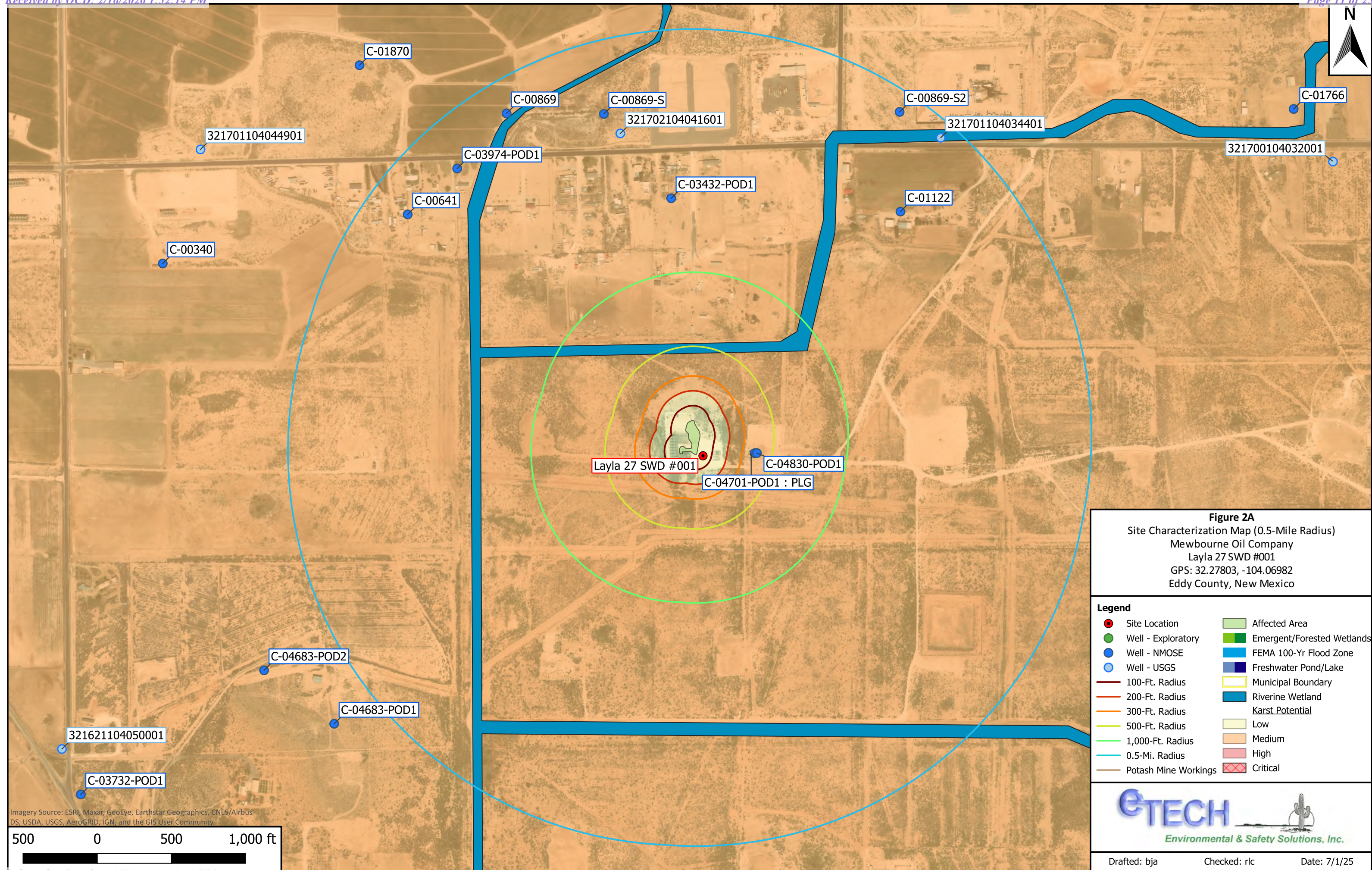
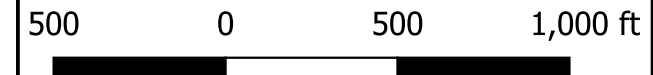


Figure 2A
 Site Characterization Map (0.5-Mile Radius)
 Mewbourne Oil Company
 Layla 27 SWD #001
 GPS: 32.27803, -104.06982
 Eddy County, New Mexico

Legend

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

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



Drafted: bja Checked: rlc Date: 7/1/25

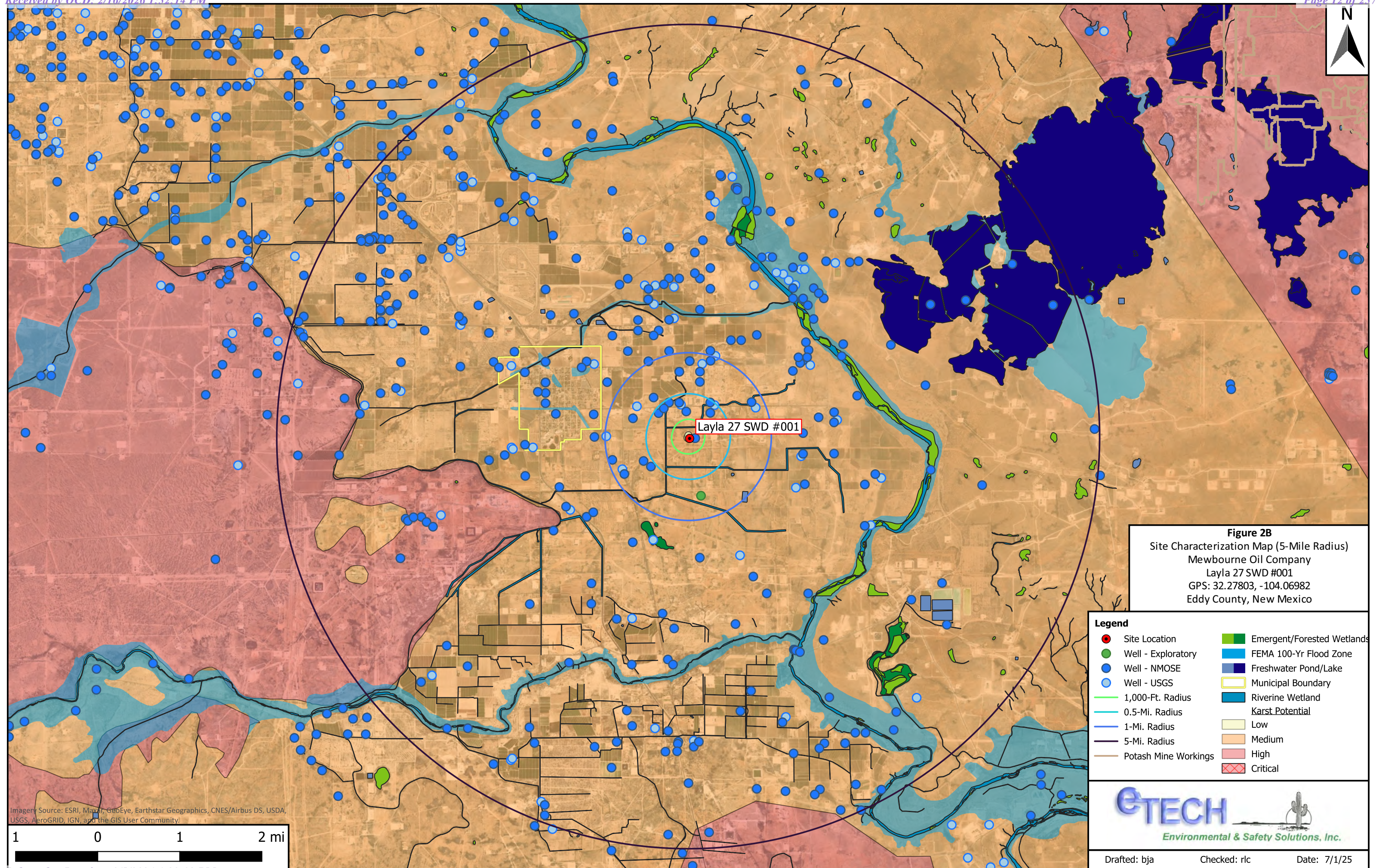


Figure 2B
 Site Characterization Map (5-Mile Radius)
 Mewbourne Oil Company
 Layla 27 SWD #001
 GPS: 32.27803, -104.06982
 Eddy County, New Mexico

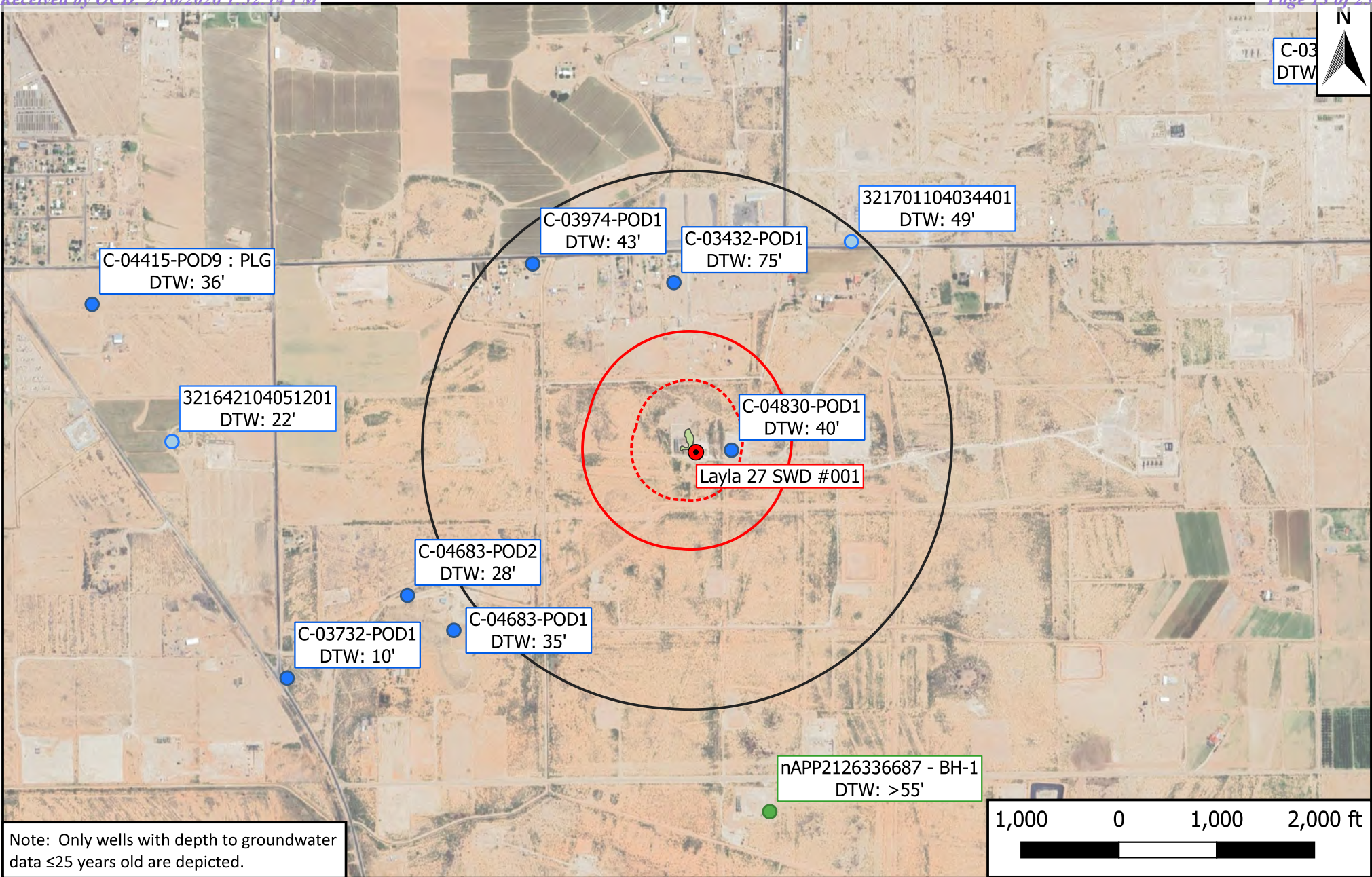
- Legend**
- Site Location
 - Emergent/Forested Wetlands
 - Well - Exploratory
 - FEMA 100-Yr Flood Zone
 - Well - NMOSE
 - Freshwater Pond/Lake
 - Well - USGS
 - Municipal Boundary
 - 1,000-Ft. Radius
 - Riverine Wetland
 - 0.5-Mi. Radius
 - Karst Potential
 - 1-Mi. Radius
 - Low
 - 5-Mi. Radius
 -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

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

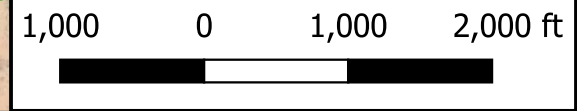
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Drafted: bja Checked: rlc Date: 7/1/25



Note: Only wells with depth to groundwater data ≤25 years old are depicted.

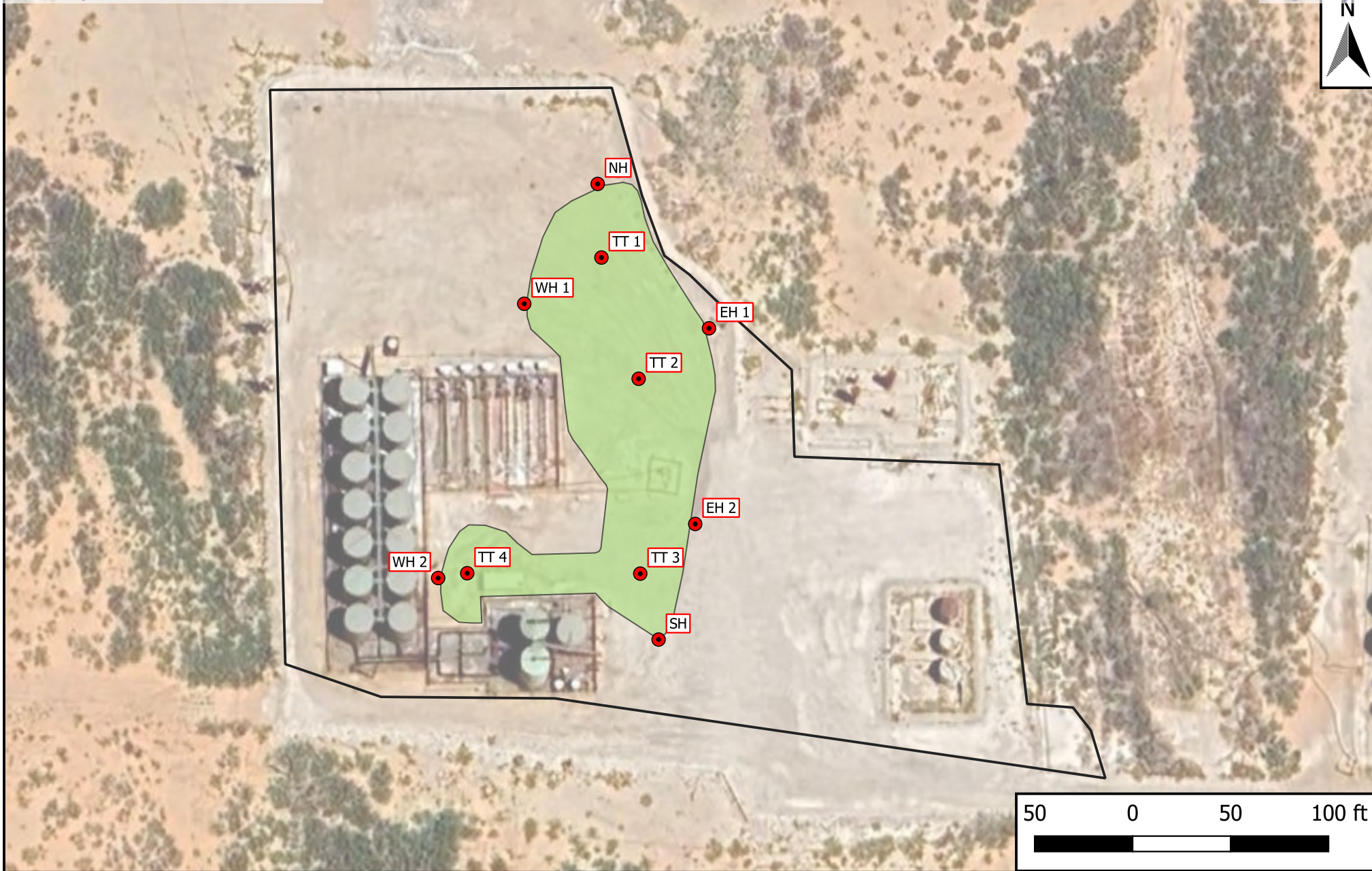


Legend	
● Site Location	 Affected Area
● Well - Exploratory	 500-Ft Radius
● Well - NMOSE	 1,000-Ft Radius
● Well - USGS	 0.5-Mi Radius

Figure 3
 Inferred Depth to Groundwater Map
 Mewbourne Oil Company
 Layla 27 SWD #001
 GPS: 32.27803, -104.06982
 Eddy County, New Mexico




Drafted: bja Checked: rlc Date: 3/26/25



Legend

- Affected Area (≈15,596 ft²)
- Pad Liner Extent
- Delineation Sample Point

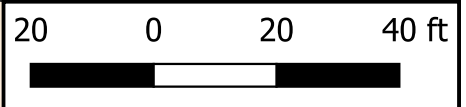
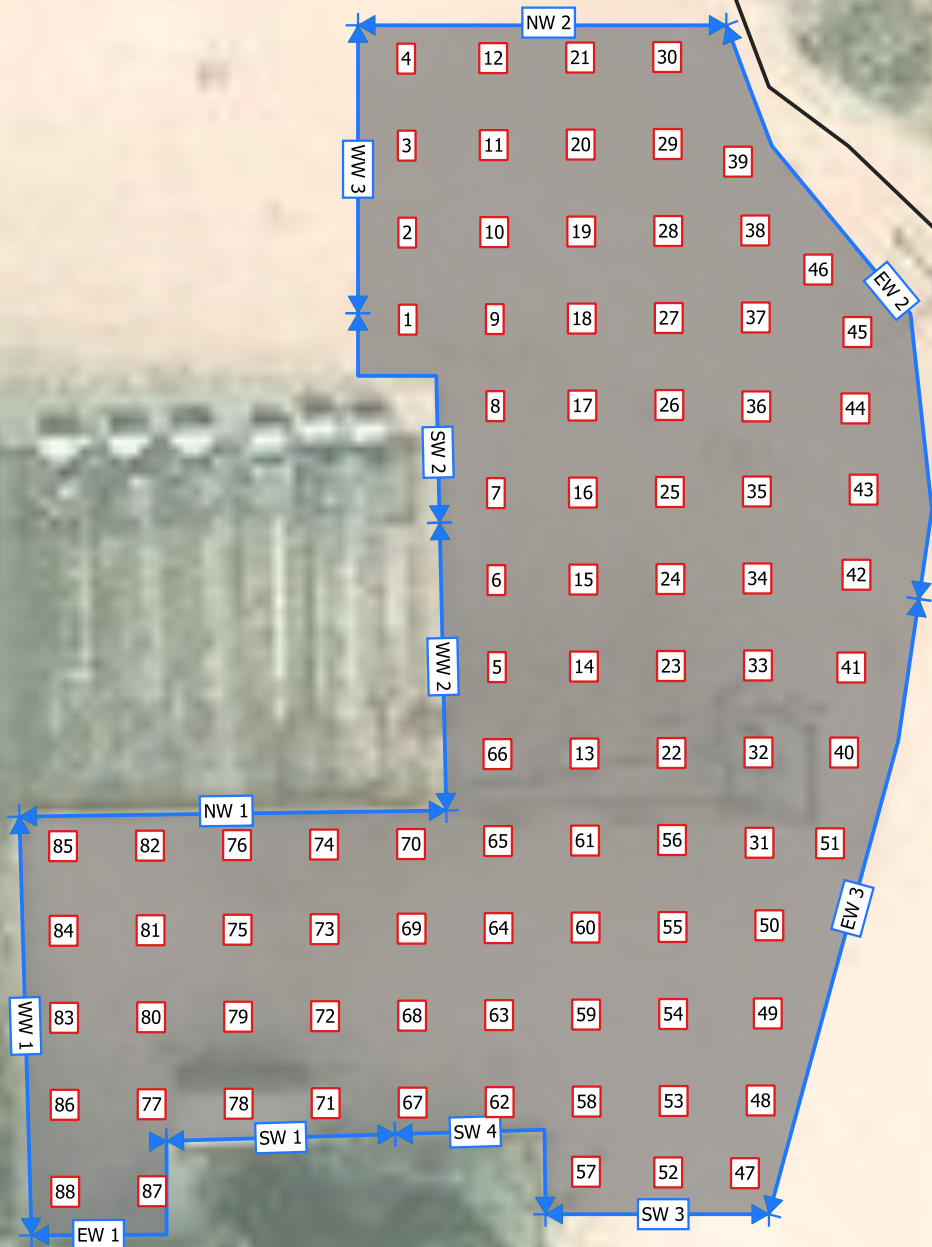
Figure 4
 Sample Location Map - Delineation
 Mewbourne Oil Company
 Layla 27 SWD #001
 GPS: 32.27803, -104.06982
 Eddy County, New Mexico



Drafted: bja

Checked: rlc

Date: 3/26/25



- Legend**
- Excavation Extent (17,564 ft²)
 - Pad Liner
 - Composite Floor Sample
 - Composite Wall Sample

Figure 5
 Sample Location Map - Excavation
 Mewbourne Oil Company
 Layla 27 SWD #001
 GPS: 32.27803, -104.06982
 Eddy County, New Mexico



Tables

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Layla 27 SWD #001
NMOCD Ref. #: nAPP2428849677

NMOCD Closure Criteria					10	50	N/A	N/A	N/A	N/A	100	600
NMOCD Reclamation Standard					10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	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)
TT-1 @ Surf	2/14/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	36,400
TT-1 @ 1'	2/14/2025	1	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
TT-2 @ Surf	2/14/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	34,400
TT-2 @ 1'	2/14/2025	1	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,000
TT-2 @ 2'	2/14/2025	2	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,520
TT- 2 @ 3'	2/14/2025	3	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,040
TT-3 @ Surf	2/14/2025	0	D	Excavated	<0.050	<0.300	<10.0	137	137	53.6	191	21,600
TT-3 @ 1'	2/14/2025	1	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,080
TT-3 @ 2'	2/14/2025	2	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920
TT-3 @ 3'	2/14/2025	3	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680
TT-4 @ Surf	2/14/2025	0	D	Excavated	<0.050	<0.300	<10.0	51.0	51.0	11.6	62.6	60,000
TT-4 @ 1'	2/14/2025	1	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,960
TT-4 @ 2'	2/14/2025	2	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,490
TT-4 @ 3'	2/14/2025	3	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,250
NH	2/14/2025	0	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
EH-1	2/14/2025	0	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
EH-2	2/14/2025	0	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
SH	2/14/2025	0	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
WH-1	2/14/2025	0	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH-2	2/14/2025	0	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 1 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,360
FL 2 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,040
FL 3 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,680
FL 4 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,560
FL 5 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,880
FL 6 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,640
FL 7 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 8 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,640
FL 9 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,440
FL 10 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,640
FL 11 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760
FL 12 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760
FL 13 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,000
FL 14 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	131	131	50.3	181	9,000
FL 15 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
FL 16 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,930
FL 17 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,660
FL 18 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	12.6	12.6	<10.0	12.6	5,330
FL 19 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	21.9	21.9	<10.0	21.9	5,330
FL 20 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
FL 21 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	10.8	10.8	<10.0	10.8	6,000
FL 22 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	11.2	11.2	<10.0	11.2	9,060
FL 23 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	12.1	12.1	<10.0	12.1	10,400
FL 24 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	26.8	26.8	<10.0	26.8	11,900

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 F - Backfill
 D - Delineation B - Background
 C - Confirmation O - Other
 R - Deferral

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Layla 27 SWD #001
NMOCD Ref. #: nAPP2428849677

NMOCD Closure Criteria					10	50	N/A	N/A	N/A	N/A	100	600
NMOCD Reclamation Standard					10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	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 24 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	26.8	26.8	<10.0	26.8	11,900
FL 25 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,060
FL 26 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	21.4	21.4	<10.0	21.4	6,130
FL 27 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	14.3	14.3	<10.0	14.3	4,960
FL 28 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	15.1	15.1	<10.0	15.1	6,400
FL 29 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760
FL 30 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,200
FL 31 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,680
FL 32 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,000
FL 33 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	11.6	11.6	<10.0	11.6	6,080
FL 34 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	21.8	21.8	<10.0	21.8	9,860
FL 35 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	11.3	11.3	<10.0	11.3	5,120
FL 36 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	11.5	11.5	<10.0	11.5	5,840
FL 37 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,920
FL 38 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,840
FL 39 @ 2'	12/10/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,560
FL 40 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	35.7	35.7	13.6	49.3	5,600
FL 41 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,400
FL 42 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,640
FL 43 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,040
FL 44 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	23.9	23.9	10.9	34.8	2,560
FL 45 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	31.1	31.1	15.6	46.7	2,720
FL 46 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,280
FL 47 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	23.8	23.8	<10.0	23.8	3,400
FL 48 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,160
FL 49 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,720
FL 50 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	13.2	13.2	<10.0	13.2	5,120
FL 51 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	13.6	13.6	<10.0	13.6	5,080
FL 52 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,600
FL 53 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,720
FL 54 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,880
FL 55 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,160
FL 56 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,520
FL 57 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920
FL 58 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,440
FL 59 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 60 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
FL 61 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
FL 62 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,400
FL 63 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,520
FL 64 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	736
FL 65 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,080
FL 66 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,840

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 F - Backfill
D - Delineation B - Background
C - Confirmation O - Other
R - Deferral

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Layla 27 SWD #001 NMOCD Ref. #: nAPP2428849677												
NMOCD Closure Criteria					10	50	N/A	N/A	N/A	N/A	100	600
NMOCD Reclamation Standard					10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	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 69 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	16.8	16.8	<10.0	16.8	3,280
FL 70 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	13.7	13.7	<10.0	13.7	2,760
FL 71 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,840
FL 72 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	17.1	17.1	<10.0	17.7	2,640
FL 73 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,520
FL 74 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,200
FL 75 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 76 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	41.8	41.8	13.1	54.9	5,680
FL 77 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,240
FL 78 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	50.5	50.8	15.1	65.9	6,320
FL 79 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,600
FL 80 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,760
FL 81 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,280
FL 82 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,200
FL 83 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
FL 84 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120
FL 85 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,400
FL 86 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,960
FL 87 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 88 @ 2'	12/11/2025	2	C	In-Situ	<0.050	<0.300	<10.0	106	106	30.8	137	1,090
NW 1	12/10/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	264	264	23.5	288	14,600
NW 2	12/10/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 1	12/10/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
EW 2	12/10/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 3	12/11/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 1	12/10/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
SW 2	12/10/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
SW 3	12/11/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 4	12/11/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	113	113	41.7	155	10,700
WW 1	12/10/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,800
WW 2	12/10/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	201	201	120	321	28,800
WW 3	12/10/2025	0-2	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
Stockpile Sample	12/18/2025	N/A	F	Backfill	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176

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 F - Backfill

D - Delineation B - Background

C - Confirmation O - Other

R - Deferral


Appendix A

Depth to Groundwater Information

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 04830 POD1	NE	SE	NE	27	23S	28E	587706.9	3571639.9	

* UTM location was derived from PLSS - see Help

Driller License:	1868	Driller Company:	TALON/LPE LTD		
Driller Name:	ROBERT A MEYER				
Drill Start Date:	2024-05-29	Drill Finish Date:	2024-05-30	Plug Date:	
Log File Date:	2024-08-12	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:		Depth Well:	52	Depth Water:	40

Water Bearing Stratifications:

Top	Bottom	Description
23	41	Sandstone/Gravel/Conglomerate
41	42	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
21	51

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.

3/26/25 3:34 PM MST

Point of Diversion Summary

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OCD DTI AUG 12 2024 AM 0:05

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1 (MW-1)		WELL TAG ID NO.		OSE FILE NO(S). C-4830	
	WELL OWNER NAME(S) Chevron U.S.A, Inc				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 6301 Deauville Blvd				CITY Midland	STATE Texas
					ZIP 79706	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 16	SECONDS 41.0916	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND
	LONGITUDE -104	4	7.14	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Sec 27, T23S, R 28E						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1868	NAME OF LICENSED DRILLER Robert A Meyer			NAME OF WELL DRILLING COMPANY Talon/LPE, Ltd			
	DRILLING STARTED 05/29/2024	DRILLING ENDED 05/30/2024	DEPTH OF COMPLETED WELL (FT) 52	BORE HOLE DEPTH (FT) 52	DEPTH WATER FIRST ENCOUNTERED (FT) 40			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 27	DATE STATIC MEASURED 05/31/2024		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: HSA					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	21	6.275	Sch 40 PVC	Riser	2	2.25	-
	21	51	6.275	Sch 40 PVC	Screen	2	2.25	0.010
	51	52	6.275	Sch 40 PVC	Cone Sump	2	2.25	-

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	16	6.275	Portland Cement I/II	3.56	Tremie
	16	19	6.275	3/8" Hydrated Bentonite Chips	0.56	Tremie
	19	52	6.275	8/16 Silica Sand	6.18	Tremie

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO. C-4830	POD NO. 1	TRN NO. 759256			
LOCATION 235.28E-27 242	WELL TAG ID NO. NA	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	1.5	1.5	SM: Medium brown, poorly-graded, very fine silty sand; loose/unconsolidated; dry.	Y	✓ N	
	1.5	9	7.5	CL: Red/brown to pale pink/brown, vf sandy-silty clay; low-mod plast; consolidated, very stiff to hard; dry.	Y	✓ N	
	9	9.5	0.5	SM: Medium brownish-grey, poorly-graded, very fine silty sand; dry.	Y	✓ N	
	9.5	23	13.5	CL: Red/brown, vf sandy-silty clay; low to moderate plasticity; consolidated, very stiff to hard; dry.	Y	✓ N	
	23	41	18	CL-ML: Interbedded clay and silty clay; red/brown to brown/orange; low-mod plast; consolidated, very stiff-hard; dry.	✓ Y	N	
	41	41.5	0.5	CL: Locally grades to very fine sandy clay; with up to 30% sand.	✓ Y	N	
	41.5	52	10.5	CL-ML: Interbedded clay and silty clay; red/brown to brown/orange; low-mod plast; consolidated, very stiff-hard; dry.	✓ Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:							

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	OCD DJJ AUG 12 2024 4:01:05	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	Robert A Meyer <small>Digitally signed by Robert A Meyer DN: cn=Robert A Meyer, o=Talon/LPE, Ltd., ou=VP of Drilling, email=rmeyer@talondpe.com, c=US Date: 2024.08.08 16:24:11 -0500</small>	Robert A Meyer
SIGNATURE OF DRILLER / PRINT SIGNEE NAME		DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-4830	POD NO. 1	TRN NO. 759256	
LOCATION 235-28E.27 242	WELL TAG ID NO. NA	PAGE 2 OF 2	

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
C 03432	POD1	NW	NE	NE	27	23S	28E	587527.4	3572162.5	

* UTM location was derived from PLSS - see Help

Driller License:	1400	Driller Company:	SOUTHEAST DRILLING COMPANY
Driller Name:	MARK HAMMOND		
Drill Start Date:	2009-10-17	Drill Finish Date:	2009-10-25
Log File Date:	2009-10-26	PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:	6.25	Depth Well:	115
		Plug Date:	
		Source:	Shallow
		Estimated Yield:	45
		Depth Water:	75

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7/1/25 3:43 PM MST

Point of Diversion Summary

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WELL RECORD & LOG

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2009 OCT 26
 STATE ENGINEER OFFICE
 ROSWELL, NEW MEXICO
 6:21 PM

1. GENERAL AND WELL LOCATION	POD NUMBER (WELL NUMBER) C-03432-POD1				OSE FILE NUMBER(S) C- 03432				
	WELL OWNER NAME(S) Ramond Lunsford				PHONE (OPTIONAL)				
	WELL OWNER MAILING ADDRESS R. 170 Ash Road				CITY Louisa		STATE ZIP NM 87256		
2. OPTIONAL	WELL LOCATION (FROM GPS)		DEGREES 32	MINUTES 16	SECONDS 58.46	N		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
	LONGITUDE 104 04 14.60		W						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS R. 170 Ash Road 2 miles East Louisa NM									
3. DRILLING INFORMATION	(2.5 ACRE) NW 1/4		(10 ACRE) NW 1/4		(40 ACRE) NE 1/4		(160 ACRE) NE 1/4		
	SECTION 27		TOWNSHIP 23		RANGE 28		<input type="checkbox"/> NORTH <input checked="" type="checkbox"/> SOUTH <input type="checkbox"/> EAST <input type="checkbox"/> WEST		
	SUBDIVISION NAME				LOT NUMBER		BLOCK NUMBER		UNIT/TRACT
HYDROGRAPHIC SURVEY				MAP NUMBER		TRACT NUMBER			
4. WATER BEARING STRATA	LICENSE NUMBER 1400		NAME OF LICENSED DRILLER MARK HAMMOND				NAME OF WELL DRILLING COMPANY SOUTH EAST		
	DRILLING STARTED 10-17-09		DRILLING ENDED 10-20-09		DEPTH OF COMPLETED WELL (FT) 115		BORE HOLE DEPTH (FT) 115		DEPTH WATER FIRST ENCOUNTERED (FT) 75
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL BY COMPLETED WELL (FT) 65				
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:								
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input checked="" type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:								
	DEPTH (FT)		BORE HOLE DIA. (IN)		CASING MATERIAL		CONNECTION TYPE (CASING)		INSIDE DIA. CASING (IN)
FROM	TO								
+18"	70	11"		6 3/8 steel		weld		6 1/4	
70	115	11"		6 3/8 steel		weld		6 1/4	
DEPTH (FT)		THICKNESS (FT)		FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)				YIELD (GPM)	
FROM	TO								
75	92	17		conglomerated sandstone				25	
92	110	18		Red sand				20	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA Bailer						TOTAL ESTIMATED WELL YIELD (GPM) 45			

FOR OSE INTERNAL USE		WELL RECORD & LOG (Version 6/9/08)	
FILE NUMBER C-3432	POD NUMBER C-03432-POD1	TRN NUMBER 439577	PAGE 1 OF 2
LOCATION 23.26.27.22113141			

DOMESTIC 469887

5. SEAL AND PUMP	TYPE OF PUMP: <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> JET <input checked="" type="checkbox"/> NO PUMP - WELL NOT EQUIPPED <input type="checkbox"/> TURBINE <input type="checkbox"/> CYLINDER <input type="checkbox"/> OTHER - SPECIFY:						
	ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT)		BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
		FROM	TO				
	20	115	11	3/4 gravel	3 1/2 Yards	HAND	
	0	20	11	Remix cement	-	HAND	

6. GEOLOGIC LOG OF WELL	DEPTH (FT)		THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?		
	FROM	TO			<input type="checkbox"/> YES	<input type="checkbox"/> NO	
		0	3	3	SOIL	<input type="checkbox"/> YES	<input type="checkbox"/> NO
		3	75	72	conglomerated rock	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
		75	92	17	conglomerated sandstone	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
		92	110	18	Red SAND	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
		110	115	5	gyp.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO
						<input type="checkbox"/> YES	<input type="checkbox"/> NO

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

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

STATE ENGINEER
ROSWELL, NEW MEXICO
2009 OCT 26 10 23


8. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER	10-22-09 DATE

FOR USE INTERNAL USE		WELL RECORD & LOG (Version 6/9/08)	
FILE NUMBER C-3432	POD NUMBER POD1	TRN NUMBER 4307H	
LOCATION 23-28.27.22113141			PAGE 2 OF 2

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
C 03974	POD1	NE	NE	NW	27	23S	28E	587087.1	3572220.9	

* UTM location was derived from PLSS - see Help

Driller License:	1348	Driller Company:	TAYLOR WATER WELL SERVICE		
Driller Name:	CLINTON E TAYLOR				
Drill Start Date:	2016-08-15	Drill Finish Date:	2016-08-16	Plug Date:	
Log File Date:	2016-10-03	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	100
Casing Size:	5.00	Depth Well:	75	Depth Water:	43

Water Bearing Stratifications:

Top	Bottom	Description
44	72	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
55	75

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10/11/24 10:26 AM MST

Point of Diversion Summary

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WELL RECORD & LOG

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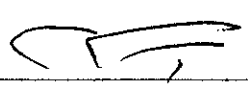
1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) C-3974			OSE FILE NUMBER(S)				
	WELL OWNER NAME(S) Javier Sierra			PHONE (OPTIONAL)				
	WELL OWNER MAILING ADDRESS R 155 Ash Rd.			CITY Loving	STATE NM	ZIP 88256		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 17	0.12	N		
	LONGITUDE	104	4	30.61	W			
* ACCURACY REQUIRED: ONE TENTH OF A SECOND								
* DATUM REQUIRED: WGS 84								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Well is near the paved road at the entrance to the property.								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-1348		NAME OF LICENSED DRILLER Clinton E Taylor		NAME OF WELL DRILLING COMPANY Taylor Water Well Service			
	DRILLING STARTED 8/15/2016	DRILLING ENDED 8/16/2016	DEPTH OF COMPLETED WELL (FT) 75	BORE HOLE DEPTH (FT) 80	DEPTH WATER FIRST ENCOUNTERED (FT) 54			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 42.5			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	+1.5	55	8 3/4	PVC	Spline	5	SDR 17	
	55	75	8 3/4	PVC	Spline	5	SDR 17	.032
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	8 3/4	20% Bentonite Grout+Chips	5 Sacks Total	Tremie+Dump		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 10/29/15)

FILE NUMBER	C-3974	TRN NUMBER	591515
LOCATION	235.28E.27.1-2.2		Domestic

2016 OCT - 3 PM 2:18
 STATE ENGINEER OFFICE
 ROSWELL, NEW MEXICO

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	6	6	Soil	Y ✓ N	
	6	10	4	Caliche	Y ✓ N	
	10	44	34	Clay:rd,smth-slty,sme fn gravel	Y ✓ N	
	44	72	28	Conglomerate:yel brn,brn,gry,mott,lmy,sme stringers of sand,water at 54'	✓ Y N	100.00
	72	80	8	Clay:smth,stk	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					100.00	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Yield is limited to 100 GPM by casing size. Water is about 6000 PPM TDS. Poor quality.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME			CE Taylor DATE		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 10/29/2015)	
FILE NUMBER	C-3974	POD NUMBER	1
LOCATION	235.28E.27.1.2.2	TRN NUMBER	591515
			DOMESTIC
			PAGE 2 OF 2



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Search Results -- 1 sites found

Agency code = usgs

site_no list =
• 321701104034401

Minimum number of levels = 1

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

USGS 321701104034401 23S.28E.23.33344 57

Eddy County, New Mexico

Latitude 32°17'02.1", Longitude 104°03'52.6" NAD83

Land-surface elevation 3,023 feet above NAVD88

The depth of the well is 150 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

- [Table of data](#)
- [Tab-separated data](#)
- [Graph of data](#)
- [Reselect period](#)

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
>=1999			7								
2003-01-28		D	72019	48.22			1	S	USGS	S	A
2013-01-11	19:00 UTC	m	72019	56.17			1	S	USGS	S	A
2018-02-13	17:40 UTC	m	72019	42.85			1	S	USGS	S	A
2021-02-24	17:43 UTC	m	72019	47.99			1	S	USGS	S	A
2022-01-13	20:03 UTC	m	72019	48.74			1	S	USGS	S	A
2024-03-08	17:15 UTC	m	72019	47.11			1	S	USGS	S	A

Explanation

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

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Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2024-11-21 16:51:13 EST

0.38 0.24 nadww01



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Data Category: Geographic Area:

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Groundwater levels for the Nation

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
• 321642104051201

Minimum number of levels = 1

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

USGS 321642104051201 23S.28E.28.232341

Eddy County, New Mexico
Latitude 32°16'42", Longitude 104°05'12" NAD27
Land-surface elevation 3,051 feet above NAVD88
The depth of the well is 162 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

- [Table of data](#)
- [Tab-separated data](#)
- [Graph of data](#)
- [Reselect period](#)

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
>=1999			7								
2003-01-28		D	72019	21.82			1	S	USGS	S	A

Explanation

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

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



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

Page Last Modified: 2024-11-21 16:53:27 EST

0.35 0.23 nadww01



Soil Boring/Temporary Monitor Well BH-1

Company: Mewbourne Oil Company	Well/Borehole ID: BH-1	Drilling Company: H&R Enterprises, LLC
Site: Speedwagon 27 WOPA Fee #2H	Coordinates (NAD 83): 32.267902,-104.067480	Driller: Jim Hawley
NMOCD Reference #: nAPP2126336687	Drilling Date: 6/4/2024	Drilling Method: Air Rotary
Location: Eddy Co., NM	Depth of Boring (ft): 55	Logged By: Jim Hawley
PLSS: U/L "A", Sec. 34, T23S, R28E	Depth to Groundwater (ft): >55	Drafted By: Ben J. Arguijo
	Plugging Date: 6/7/2024	Draft Date: 8/15/2024

Completion: N/A	Casing: 2" PVC	Screen: 0.020" Slotted
------------------------	-----------------------	-------------------------------

Comments: N/A

Depth (ft)	Groundwater	Lithology	Material Description	Petroleum Odor	Petroleum Stain	PID Reading	Well Construction
0			Caliche - 100%	N	N	-	 Open Hole, No Annular Fill
5			Topsoil 60% - Red Clay 40%	N	N	-	
10			Soapstone 70% - Gypsum 30%	N	N	-	
15			Fine Sand 15% - Clay 85%	N	N	-	
20			Red Clay 100%	N	N	-	
25			Grey Clay 100%	N	N	-	
30				N	N	-	
35				N	N	-	
40				N	N	-	
45				N	N	-	
50				N	N	-	
55				N	N	-	
60			Notes: • Lines between material types represent approximate boundaries. Actual transitions may be gradual. • The exploratory soil boring was left open for over 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring or prior to plugging and abandonment.				

Disclaimer This bore log is intended for environmental not geotechnical purposes.

Appendix B

Pad Liner Installation (2016)

Map extracted from the *Corrective Action Plan* for NMOCD Incident ID #nAB1609149408 (2RP-3626), dated May 8, 2016.
https://ocdimage.emnrd.nm.gov/Imaging/FileStore/artesia/ao/20160519/pab1609148979_05_19_2016_12_25_54.pdf



Released to Imaging: 3/3/2026 4:23:08 PM

Received by: OCD: 2/16/2026 1:52:14 PM

Page 36 of 257





















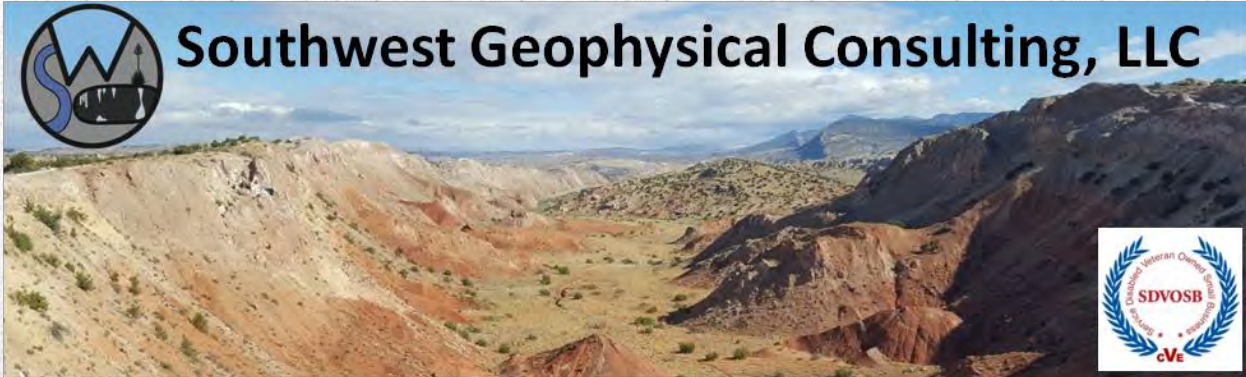






Appendix C

Environmental Karst Study Report



**Environmental Karst Study Report
Mewbourne Layla SWD 27 No. 1
Eddy 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

May 23, 2025

ETEC-014-20250403

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MMXXV

TABLE OF CONTENTS

FRONT MATTER..... i

TABLE OF CONTENTS.....ii

LIST OF FIGURES.....iii

LIST OF TABLES.....iii

1.0 INTRODUCTION..... 1

 1.1 Goals of this Study..... 1

 1.2 Summary of Findings..... 1

 1.3 Affected Environment..... 1

 1.4 Limitations of Report..... 3

2.0 LOCATION AND DESCRIPTION OF STUDY AREA..... 4

 2.1 Description of Site..... 4

 2.2 Local Geology Summary..... 5

 2.3 Description of Survey..... 6

 2.3.1 Surface Karst Survey..... 6

 2.3.2 Geophysical Survey..... 8

3.0 RESULTS..... 10

 3.1 Surface Karst Survey..... 10

 3.2 Geophysical Survey..... 12

4.0 DISCUSSION..... 14

5.0 SUMMARY..... 16

6.0 DISCLOSURE STATEMENT 16

7.0 REFERENCES..... 18

8.0 GLOSSARY OF TERMS..... 19

9.0 ATTESTATION 21

LIST OF FIGURES

Figure 1: Karst occurrence zone overview..... 2

Figure 2: Land ownership and PLSS overview..... 4

Figure 3: Geology overview 5

Figure 4: Surface survey overview 7

Figure 5: Geophysical survey overview 8

Figure 6: Surface karst survey results 10

Figure 7: 2D inverted resistivity sections..... 13

Figure 8: Data overlay 15

LIST OF TABLES

Table 1: Survey Line Data Table 9

Table 2: Software Information and Settings..... 9

Table 3: Surface Karst Feature Data Table..... 11

Table 4: High-Resistivity Anomaly Data Table 12

1.0 INTRODUCTION

This report was commissioned by eTech Environmental & Safety Solutions, Inc. (hereinafter referred to as "the client"), on April 3, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Mewbourne Layla SWD 27 No. 1 release site (hereinafter termed "LS271") centered at N 32.278365° W 104.069891°.

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 Layla SWD 27 No. 1 release site as provided by the client via e-mail (**Layla SWD 27 001.kmz**) on April 8, 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.**
- One recognized surface feature lies within the 200-meter survey boundary. This feature is likely related to soil piping rather than dissolution of bedrock.
- **One anomaly consistent with a subsurface air-filled void is located within the LS271 resistivity survey area, indicating a surface collapse risk exists. This anomaly is outside of the 200-foot survey boundary.**
- **Moderately well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted; however, due to the possible subsurface void a finding of stable ground is not warranted until the anomaly is field checked.**

1.3 Affected Environment

The LS271 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**).

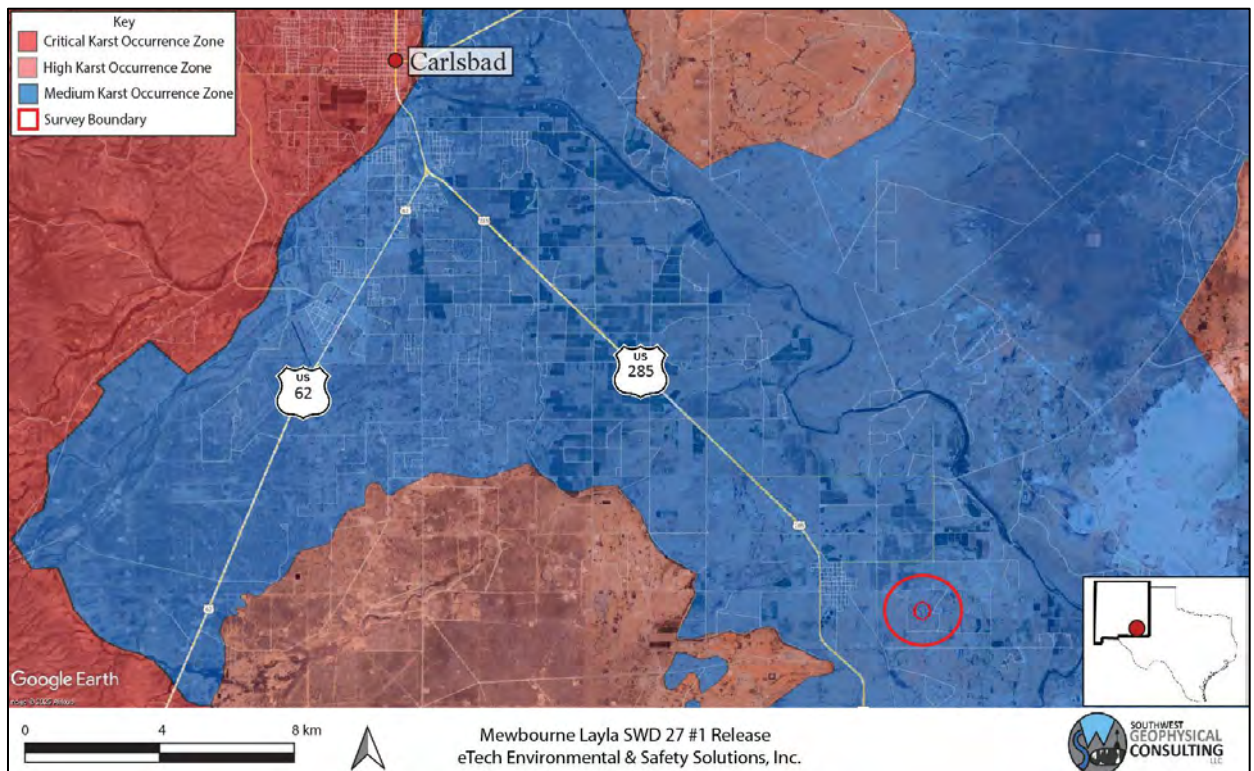


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

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 21.4 kilometers (13.3 miles) southeast of Carlsbad, New Mexico, southeast of the junction of U.S. Highway 285 and West Ash Road. The release site is located within the NE $\frac{1}{4}$ section of section 27, NM T23S R28E^[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 privately managed land^[10] (**Figure 2**).

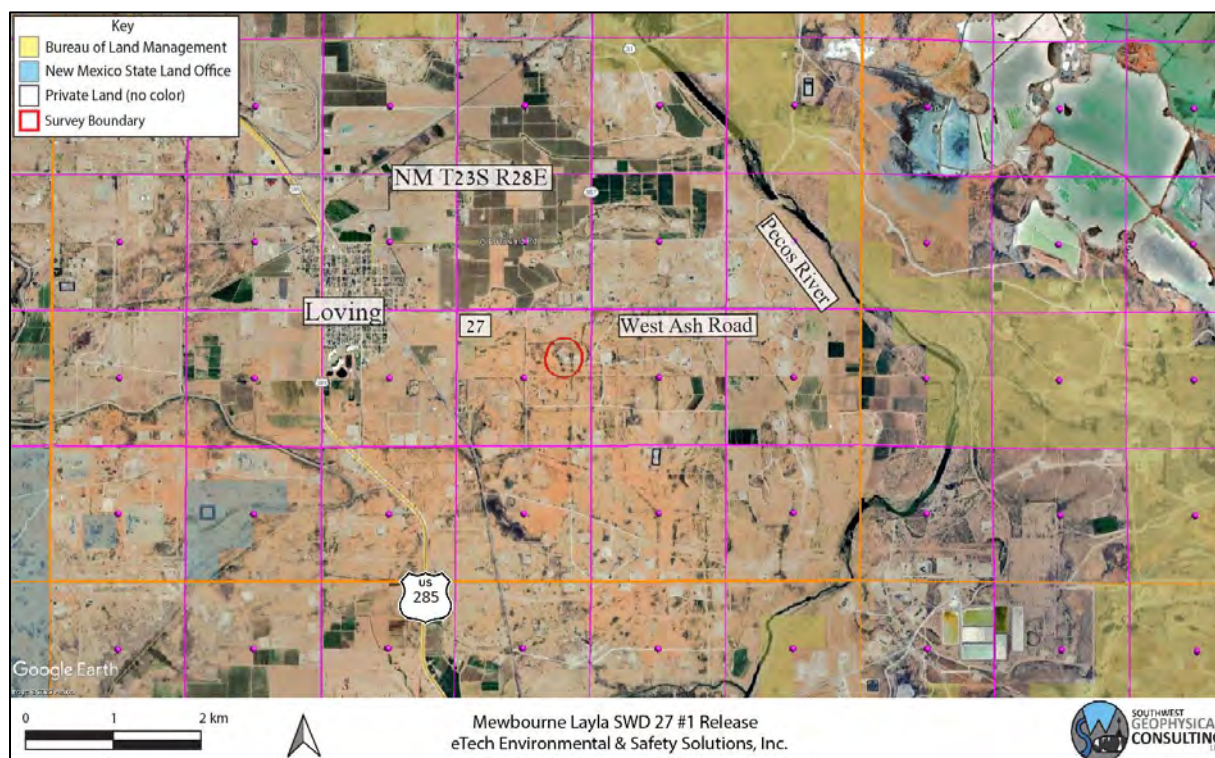


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the LS271 survey is located at an elevation of 926 meters (3,038 feet), ± 3 meters (9.8 feet), and is located within a region underlain by the Permian Rustler Formation (Pru). The area is mantled by thin gypsiferous soils (gypsite), Quaternary alluvium (Qal), and piedmont gravels (Qp)^[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: July 13, 2024. 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 July 14, 2024 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated April 25, 2025^[15]; the Loving, NM, 1:24,000 quad, 1985, 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].

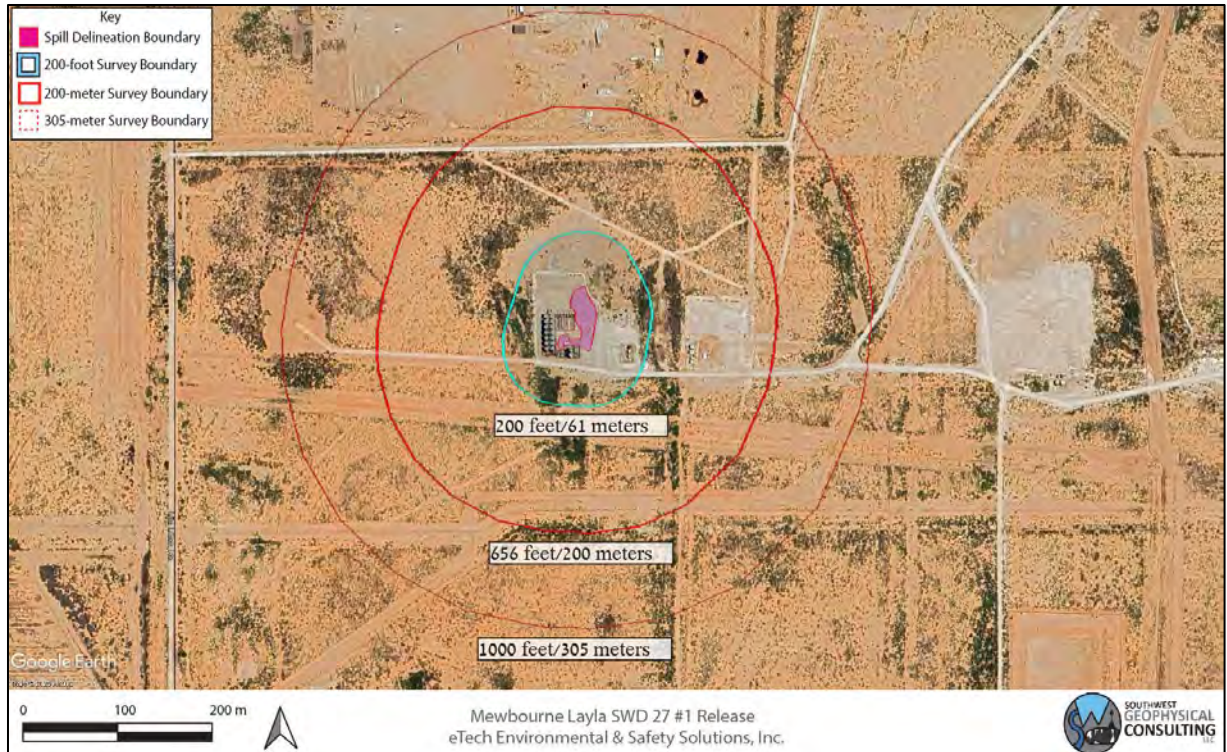


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: July 13, 2024. Datum: WGS-84.

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 April 11, 2025. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Britt Bommer of Southwest Geophysical Consulting on May 6, 2025.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with a multi-electrode switchbox, a 42-electrode array of 40-centimeter-long electrodes, and a tablet controller were used to image the subsurface. This survey consisted of three resistivity lines in a dipole-dipole configuration: line LS27101 was laid out south to north, while lines LS27102 and LS27103 were laid out west to east. LS27101 consisted of 42 electrodes, while LS27102 and LS27103 consisted of 28 electrodes, all at 5-meter spacing, resulting in 205-meter-long and 135-meter-long arrays, respectively (**Figure 5, Table 1**). Two preconfigured command files were used to run the data collection (DiDi42 and DDSG28). The 42-electrode configuration provided a depth of investigation of 41 meters (135 feet) while the 28-electrode configurations 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.

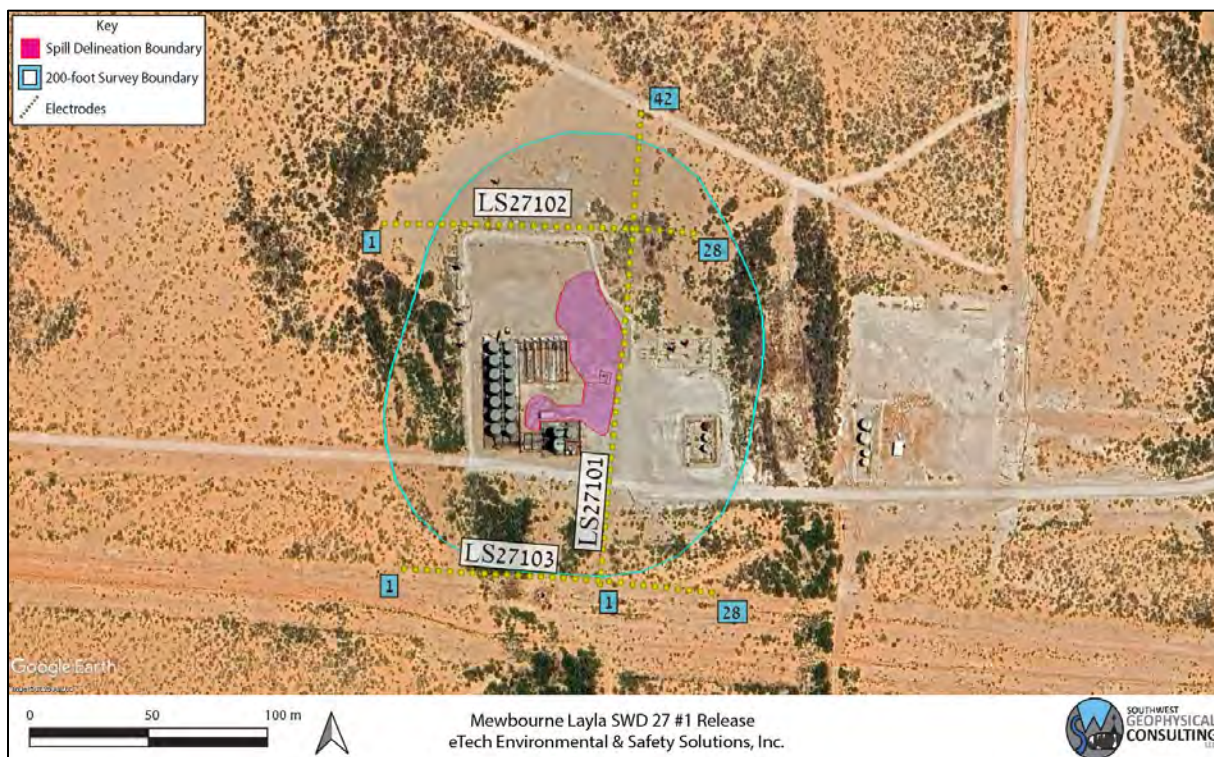


Figure 5: Geophysical survey overview. LS27101 was conducted with 42 electrodes, while LS27102 and LS27103 were conducted with 28 electrodes each; all at 5-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: July 13, 2024. Image datum: WGS-84.

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 LS271_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-014-20250403_LS271_Data_Files.kmz.

File Name:	Completed By:	Date:
LS27101.kmz	Garrett Jorgensen Olague – Senior Field Geologist	4/29/2025
LS27102.kmz	Britt Bommer – Field Geologist	
LS27103.kmz	Steven Kesler – 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 kΩ-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 Garrett Jorgensen Olague, Britt Bommer, and Steven Kesler on April 29, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey located no surface karst features within the 200-foot (61-meter)^[1] survey boundary.

One recognized surface karst feature is located within the 200-meter survey boundary but outside of the 200-foot (61-meter) survey boundary (**Figure 6, Table 3**). Recognized surface karst features are features that are positively identified in either satellite or aerial imagery as karst features and the features have been visited by a qualified karst professional in the field and fully identified. This feature is a suffosion sinkhole along a pipeline. During the field visit it was determined that too much soil was missing for this to be related to soil compaction along the pipeline and instead is more likely associated with either a void that was intersected during trenching and subsequently buried, or soil piping associated with the arroyo 20 meters south. Based on the geology of this area, it is more likely associated with soil piping and this is pseudokarst rather than karst. Images for the feature are available on request.

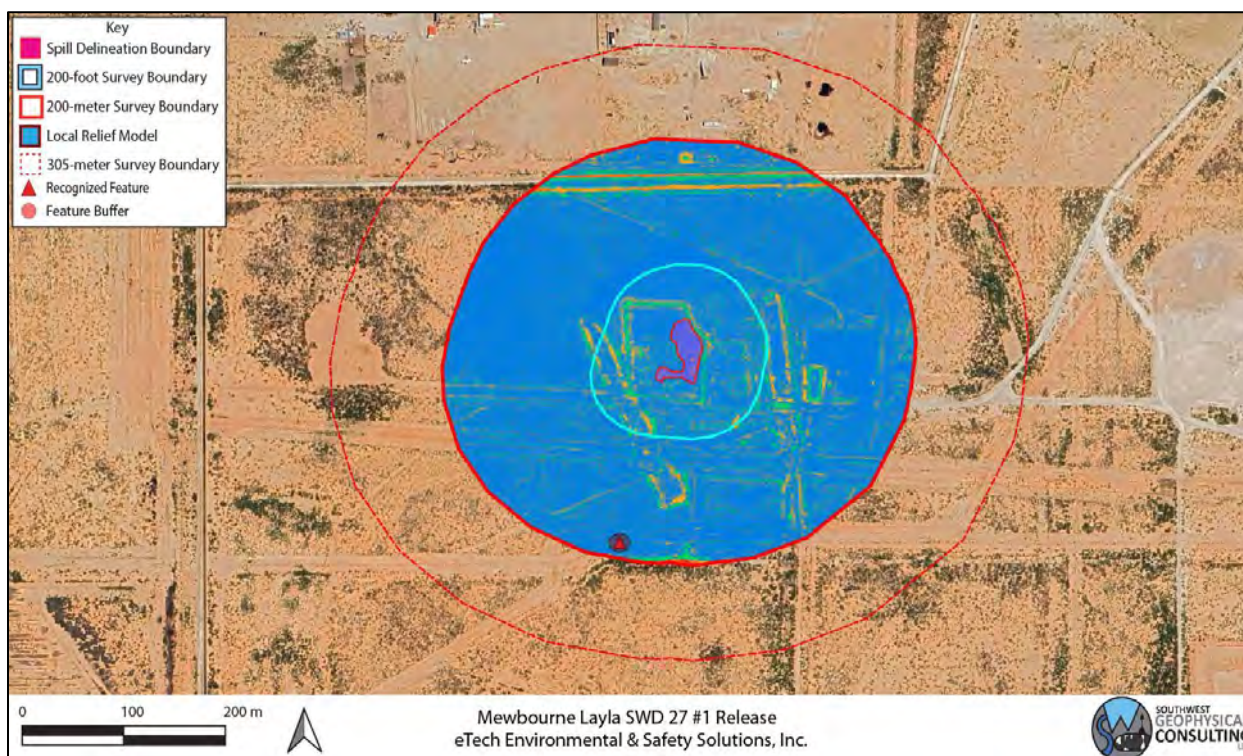


Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: July 14, 2024. Image datum: WGS-84.

No springs exist within the 1,000-foot (305-meter)^[1] survey boundary.

Caution should be exercised while operating in or around all karst-related features due to the possibility of near-surface voids. Employing a BLM-CFO approved karst monitor on site during these activities should be considered.

Table 3 contains a list of features identified during the surface karst survey and subsequent imagery analysis. Each feature is identified with a feature identification number (Feature ID), the type of feature, estimated size (in meters), recommended buffer (in meters), the likelihood of this feature being a surface karst feature (modifiers H/M for high or medium likelihood, V for field verified), and its location in WGS-84/UTM-13 (EPSG: 32613).

Table 3: Surface Karst Feature Data Table

KF Status	Feature ID	Type	Size (m)	Buffer (m)	Mod	Easting	Northing
RKF	250424-D01	Suffosion sinkhole	1.1	10	V	587514.259	3571459.978

NOTE: Location data provided in WGS-84/UTM 13N. RKF – recognized karst feature.

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 1.0 and 924 Ohm-m with occasional values to 2,100 Ohm-m (**Figure 7**). Line LS27103 contains one anomaly (A1, 27,000 Ohm-m) near the surface at the western end of the line (**Figure 7, Table 4**). 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.

Table 4 contains a list of subsurface anomalies identified during the geophysical survey and subsequent data analysis. Each anomaly is identified with an identification number (Feature ID), the type of feature, estimated size (in meters), estimated depth (in meters), recommended buffer (in meters), a category modifier for our database (R for resistivity anomaly, V for field verified), and the best location to drill for geotechnical verification in WGS-84/UTM-13 (EPSG: 32613).

Table 4: High-Resistivity Anomaly Data Table

KF Status	Feature ID	Type	Size (m)	Depth (m)	Buffer (m)	Mod	Easting	Northing
PKF	250429-A01	ERI anomaly	<5	10	10	R	587539.671	3571574.905

NOTE: Location data provided in WGS-84/UTM 13N. PKF – Possible karst feature.

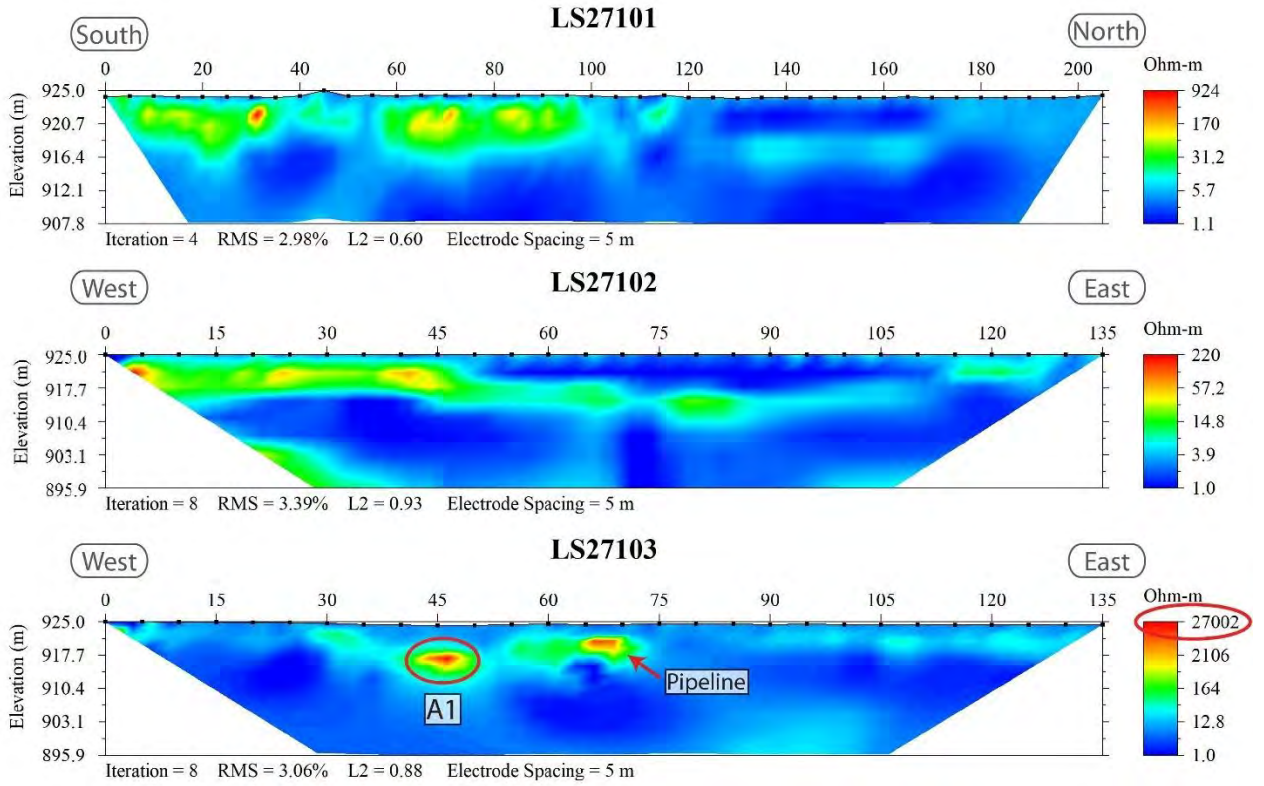


Figure 7: 2D inverted resistivity sections. Red ellipse highlights high-resistivity anomaly. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

4.0 DISCUSSION

One surface karst feature outside of the 61-meter (200-foot) survey boundary but within the 200-meter (656-foot) survey boundary exists at the project site. This feature could be associated with either a solutional void beneath the pipeline or with soil piping associated with the arroyo to the south. Based on the geology at this location, the latter interpretation is the most likely.

One high-resistivity anomaly (A1) consistent with an air-filled subsurface void is located just outside of the 61-meter (200-foot) survey boundary. This anomaly could also represent a sandstone or dolomite lens, or a gravel layer. The anomaly may represent a small (less than 5-meter diameter) to medium (less than 10-meter) isolated air-filled void in caliche or near-surface solution-enlarged fracture within gypsite or an evaporite layer in the Rustler Formation. Such a feature could be associated with groundwater recharge and may also represent a collapse hazard.

An additional high-resistivity anomaly is seen within line LS27103 to the east of A1. However, it aligns with an existing buried pipeline and is interpreted to be noise associated with this infrastructure.

No other anomalies interpreted as large near-surface voids are located within the study area. 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 and are quite 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 5 Ω -m at approximately 8 meters (26 feet) depth the survey area, indicating a change to clay-rich soils or possibly moist to saturated caliche/gypsite soils or gypsum/dolomite bedrock of the Rustler Formation.

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods. We recommend drilling anomaly A1 to verify our interpretation, and if confirmed, resolve the type of cavity that exists before using this information for remediation planning purposes.**

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.

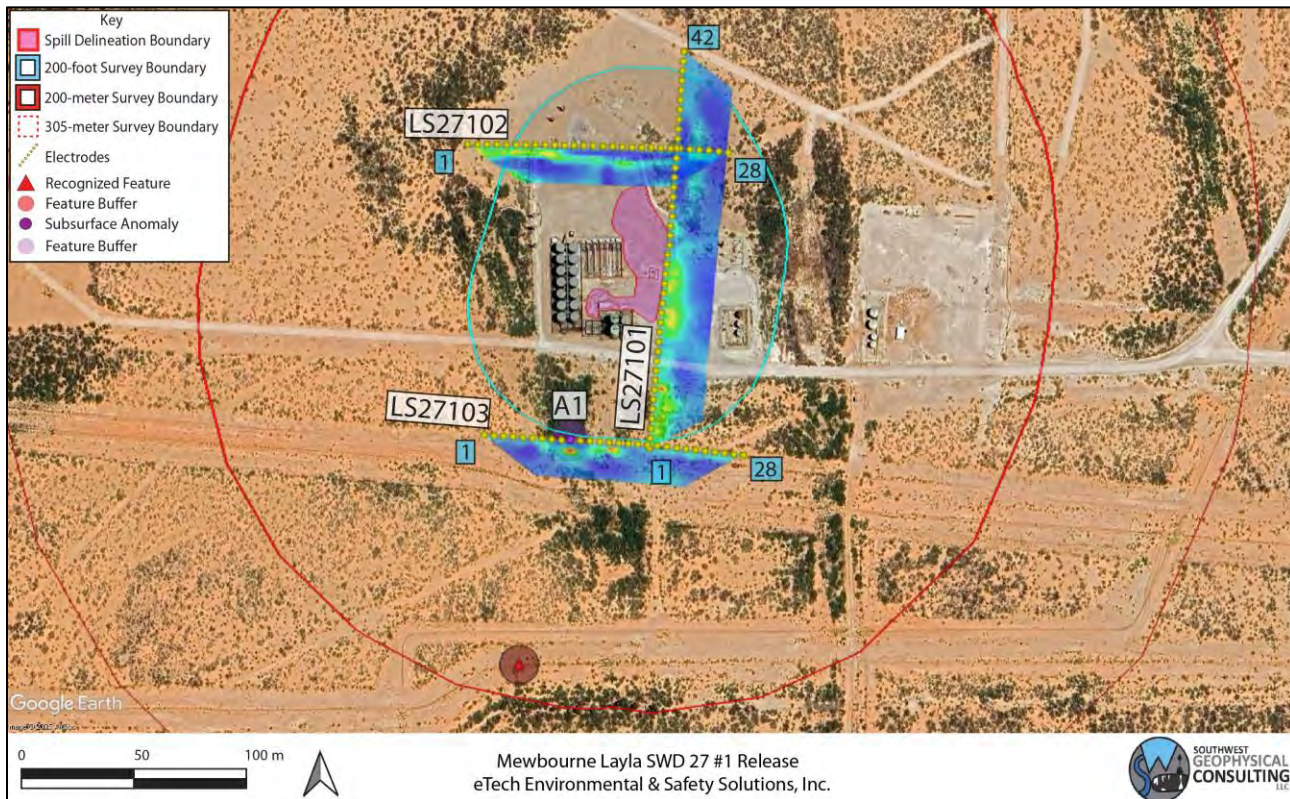


Figure 8: Data overlay. Colored trapezoids are 2D inverted resistivity lines. Background image credit: Google Earth. Image date: July 14, 2024.

5.0 SUMMARY

- **The LS271 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.**
- One recognized surface feature exists within the 200-meter survey boundary. This feature is likely related to soil piping and represents a safety hazard, but not a karst hazard.
- **The LS271 survey contains one high-resistivity anomaly which we interpret as a subsurface void. This feature exists outside of the 200-foot (61-meter) survey boundary. This feature may represent a collapse risk and present a hazard to equipment operators working in that area.**
- **A moderately 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.**
- Employing a BLM-CFO approved karst monitor during excavation at this site should be considered.

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).
- 5 Decker, D., Trautner, E. & Palmer, R. (Bureau of Land Management - Carlsbad Field Office, 2025).
- 6 Earthpoint. *Earthpoint Tools for Google Earth*, <<https://www.earthpoint.us/Townships.aspx>> (2022).
- 7 Decker, D. D., Land, L. & Luke, B. Characterization of Playa Lakes in the Gypsum Karst of Southeastern New Mexico and West Texas, USA. *Oklahoma Geological Survey Circular 113 113* (2021).
- 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*, <<https://mrdata.usgs.gov/geology/state/state.php?state=NM>> (1997).
- 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).
- 14 Scholle, P. A. Geologic Map of New Mexico. (2003).
- 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

Pdl	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-014-20250403 entitled, “Environmental Karst Study Report, Mewbourne Layla SWD 27 No. 1, Eddy 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, June 4, 2025.



David D. Decker
PhD, CPG-12123



Appendix D

Regulatory Correspondence

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, January 10, 2025 1:43:54 PM
To: Connor Walker <cwalker@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 411424

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2428849677, for the following reasons:

- **The Remediation Plan is denied. The site assessment has not been delineated horizontally or vertically. Horizontal delineation must meet the requirements of the reclamation standards 19.15.29.13 NMAC (600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX, 10 mg/kg benzene) or OCD approved "background" values for the upper 4 feet of the impacted area. Soil standards below 4 feet must be delineated/remediated to Table I Closure Criteria for the approved site-specific depth to groundwater. A surface visual footprint alone is not sufficient when assessing the horizontal extent of the release. Laboratory data must be provided as evidence of delineation efforts. Depth to ground water is inadequate per 19.15.29.11A (2). Please included POD1 04830 in the dtgw determination.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 411424.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

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

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, November 14, 2025 2:46 PM
To: Connor Walker <cwalker@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has approved the application, Application ID: 488012

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#) nAPP2428849677, with the following conditions:

- **The Remediation Plan is conditionally approved. The variance request to go to 10,000 mg/kg for chlorides is denied. OCD requests material impacted above the 600 mg/kg level as required under part 29 must be excavated to the maximum extent practicable to protect the existing liner, minimally 3' bgs. Be advised at site closure a ground water investigation will be required due to being unable to inspect the existing liner.**

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

From: OCDOnline@state.nm.us
Sent: Tuesday, November 25, 2025 2:18 PM
To: Cesar Rosendo
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 529902

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#) nAPP2428849677.

The sampling event is expected to take place:

When: 12/01/2025 @ 07:00

Where: H-27-23S-28E 0 FNL 0 FEL (32.27803,-104.06982)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: Driving Directions: From the intersection of S Donaldson Farm Rd and E Ash Rural St (32.283775, -104.066795), head E on E Ash Rural St for 0.24 mi, then S for 0.36 mi, then SW for 0.13 mi, then W for 0.18 mi, then N for 0.04 mi to arrive at the Layla SWD 27 #001 release area (32.278349, -104.070074).

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: Tuesday, November 25, 2025 2:21 PM
To: Cesar Rosendo
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 529905

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#) nAPP2428849677.

The sampling event is expected to take place:

When: 12/02/2025 @ 07:00

Where: H-27-23S-28E 0 FNL 0 FEL (32.27803,-104.06982)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: Driving Directions: From the intersection of S Donaldson Farm Rd and E Ash Rural St (32.283775, -104.066795), head E on E Ash Rural St for 0.24 mi, then S for 0.36 mi, then SW for 0.13 mi, then W for 0.18 mi, then N for 0.04 mi to arrive at the Layla SWD 27 #001 release area (32.278349, -104.070074).

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: Tuesday, November 25, 2025 2:24 PM
To: Cesar Rosendo
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 529906

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#) nAPP2428849677.

The sampling event is expected to take place:

When: 12/03/2025 @ 07:00

Where: H-27-23S-28E 0 FNL 0 FEL (32.27803,-104.06982)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: Driving Directions: From the intersection of S Donaldson Farm Rd and E Ash Rural St (32.283775, -104.066795), head E on E Ash Rural St for 0.24 mi, then S for 0.36 mi, then SW for 0.13 mi, then W for 0.18 mi, then N for 0.04 mi to arrive at the Layla SWD 27 #001 release area (32.278349, -104.070074).

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: Tuesday, November 25, 2025 2:27 PM
To: Cesar Rosendo
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 529907

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#) nAPP2428849677.

The sampling event is expected to take place:

When: 12/04/2025 @ 07:00

Where: H-27-23S-28E 0 FNL 0 FEL (32.27803,-104.06982)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: Driving Directions: From the intersection of S Donaldson Farm Rd and E Ash Rural St (32.283775, -104.066795), head E on E Ash Rural St for 0.24 mi, then S for 0.36 mi, then SW for 0.13 mi, then W for 0.18 mi, then N for 0.04 mi to arrive at the Layla SWD 27 #001 release area (32.278349, -104.070074).

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: Tuesday, November 25, 2025 2:33 PM
To: Cesar Rosendo
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 529910

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#) nAPP2428849677.

The sampling event is expected to take place:

When: 12/05/2025 @ 07:00

Where: H-27-23S-28E 0 FNL 0 FEL (32.27803,-104.06982)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: Driving Directions: From the intersection of S Donaldson Farm Rd and E Ash Rural St (32.283775, -104.066795), head E on E Ash Rural St for 0.24 mi, then S for 0.36 mi, then SW for 0.13 mi, then W for 0.18 mi, then N for 0.04 mi to arrive at the Layla SWD 27 #001 release area (32.278349, -104.070074).

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: Tuesday, November 25, 2025 2:37 PM
To: Cesar Rosendo
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 529912

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#) nAPP2428849677.

The sampling event is expected to take place:

When: 12/08/2025 @ 07:00

Where: H-27-23S-28E 0 FNL 0 FEL (32.27803,-104.06982)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: Driving Directions: From the intersection of S Donaldson Farm Rd and E Ash Rural St (32.283775, -104.066795), head E on E Ash Rural St for 0.24 mi, then S for 0.36 mi, then SW for 0.13 mi, then W for 0.18 mi, then N for 0.04 mi to arrive at the Layla SWD 27 #001 release area (32.278349, -104.070074).

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: Tuesday, November 25, 2025 2:41 PM
To: Cesar Rosendo
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 529915

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#) nAPP2428849677.

The sampling event is expected to take place:

When: 12/09/2025 @ 07:00

Where: H-27-23S-28E 0 FNL 0 FEL (32.27803,-104.06982)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: Driving Directions: From the intersection of S Donaldson Farm Rd and E Ash Rural St (32.283775, -104.066795), head E on E Ash Rural St for 0.24 mi, then S for 0.36 mi, then SW for 0.13 mi, then W for 0.18 mi, then N for 0.04 mi to arrive at the Layla SWD 27 #001 release area (32.278349, -104.070074).

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: Tuesday, November 25, 2025 2:43 PM
To: Cesar Rosendo
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 529916

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#) nAPP2428849677.

The sampling event is expected to take place:

When: 12/10/2025 @ 07:00

Where: H-27-23S-28E 0 FNL 0 FEL (32.27803,-104.06982)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: Driving Directions: From the intersection of S Donaldson Farm Rd and E Ash Rural St (32.283775, -104.066795), head E on E Ash Rural St for 0.24 mi, then S for 0.36 mi, then SW for 0.13 mi, then W for 0.18 mi, then N for 0.04 mi to arrive at the Layla SWD 27 #001 release area (32.278349, -104.070074).

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: Tuesday, December 9, 2025 5:22 PM
To: Jeff Broom
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 533580

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2428849677.

The sampling event is expected to take place:

When: 12/11/2025 @ 07:30

Where: H-27-23S-28E 0 FNL 0 FEL (32.27803,-104.06982)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: From the intersection of S Donaldson Farm Rd and E Ash Rural St (32.283775, -104.066795), head E on E Ash Rural St for 0.24 mi, then S for 0.36 mi, then SW for 0.13 mi, then W for 0.18 mi, then N for 0.04 mi to arrive at the Layla SWD 27 #001 release area (32.278349, -104.070074).

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: Tuesday, December 9, 2025 5:24 PM
To: Jeff Broom
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 533581

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2428849677.

The sampling event is expected to take place:

When: 12/12/2025 @ 07:30

Where: H-27-23S-28E 0 FNL 0 FEL (32.27803,-104.06982)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: From the intersection of S Donaldson Farm Rd and E Ash Rural St (32.283775, -104.066795), head E on E Ash Rural St for 0.24 mi, then S for 0.36 mi, then SW for 0.13 mi, then W for 0.18 mi, then N for 0.04 mi to arrive at the Layla SWD 27 #001 release area (32.278349, -104.070074).

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

Appendix E

Field Data

Appendix F

Photographic Log

Photographic Log

Photo Number: 1	 <p>Mon, October 07, 2024 01:52PM +32.278576,-104.070191 Eddy County</p>
Photo Direction: Southeast	
Photo Description: View of the affected area.	

Photo Number: 2	 <p>Mon, October 07, 2024 01:52PM +32.278576,-104.070191 Eddy County</p>
Photo Direction: South-Southeast	
Photo Description: View of the affected area.	


Photographic Log

Photo Number: 3	 <p>Mon, October 07, 2024 01:52PM +32.278486,-104.070153 Eddy County</p>
Photo Direction: Southeast	
Photo Description: View of the affected area.	

Photo Number: 4	 <p>Mon, October 07, 2024 01:53PM +32.278289,-104.070126 Eddy County</p>
Photo Direction: Southeast	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 5	 <p>Mon, October 07, 2024 01:53PM +32.278289,-104.070126 Eddy County</p>
Photo Direction: East-Northeast	
Photo Description: View of the affected area.	

Photo Number: 6	 <p>Mon, October 07, 2024 01:53PM +32.278289,-104.070126 Eddy County</p>
Photo Direction: Northeast	
Photo Description: View of the affected area.	


Photographic Log

Photo Number: 7	 <p data-bbox="970 219 1501 376">2/14/25, 10:35 AM +32.278598,-104.070092 ±3.73m 101° E Eddy County</p>
Photo Direction: East	
Photo Description: View of test trench TT 1 and liner.	

Photo Number: 8	 <p data-bbox="970 1176 1501 1332">2/14/25, 9:29 AM +32.278347,-104.070010 ±6.07m 138° SE Eddy County</p>
Photo Direction: Southeast	
Photo Description: View of test trench TT 2 and liner.	

Photographic Log

Photo Number: 9	
Photo Direction: South	
Photo Description: View of test trench TT 3 and liner.	

Photo Number: 10	
Photo Direction: South-Southeast	
Photo Description: View of test trench TT 4 and liner.	

Photographic Log

Photo Number: 11	
Photo Direction: South-Southeast	
Photo Description: View of the excavated area.	

Photo Number: 12	
Photo Direction: Southeast	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 13	 <p>Dec 12, 2025 at 1:44:27 PM +32.278584, -104.070067 ±3.54m</p>
Photo Direction: West	
Photo Description: View of the excavated area.	

Photo Number: 14	 <p>Dec 12, 2025 at 1:40:39 PM +32.278249, -104.070042 ±5.18m</p>
Photo Direction: Northeast	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 15	
Photo Direction: South	
Photo Description: View of the excavated area.	

Photo Number: 16	
Photo Direction: West	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 17	 <p>Dec 22, 2025 at 2:33:12 PM +32.278519,-104.069909 ±4.75m</p>
Photo Direction: West	
Photo Description: View of the remediated area following backfill and regrading.	

Photo Number: 18	 <p>Dec 22, 2025 at 2:32:56 PM +32.278519,-104.069886 ±10.84m</p>
Photo Direction: West	
Photo Description: View of the remediated area following backfill and regrading.	

Photographic Log

Photo Number: 19	
Photo Direction: North-Northwest	
Photo Description: View of the remediated area following backfill and regrading.	

Photo Number: 20	
Photo Direction: North	
Photo Description: View of the remediated area following backfill and regrading.	

Photographic Log

Photo Number: 21	 <p>Dec 22, 2025 at 2:04:27 PM +32.278248,-104.069965 ±3.28m</p> <p>This photograph shows a wide, sandy area with numerous tire tracks, indicating recent heavy machinery activity. In the background, several large, cylindrical industrial tanks are visible under a clear blue sky. A small, light-colored utility building is situated near the tanks. The ground appears to be a mix of sand and gravel, typical of a remediated site.</p>
Photo Direction: Southwest	
Photo Description: View of the remediated area following backfill and regrading.	

Photo Number: 22	 <p>Dec 22, 2025 at 2:04:23 PM +32.278248,-104.069965 ±3.28m</p> <p>This photograph provides a different perspective of the remediated area. It shows a dirt road with prominent tire tracks leading towards a large industrial tank on the right. A truck is parked in the distance on the left side of the road. The ground is sandy and shows signs of recent grading and backfilling.</p>
Photo Direction: South	
Photo Description: View of the remediated area following backfill and regrading.	

Appendix G

Liner Integrity Inspection Report



Liner Integrity Inspection Report

Company: Mewbourne Oil Company Site Name: Layla SWD #001

Project #: 21279 Inspection Tech: David Robinson Date: 2/14/2025

Visual Inspection

Type of Secondary Containment				Containment Status			
Earthen	<input checked="" type="checkbox"/>	Cement	<input type="checkbox"/>	Free Fluid	<input type="checkbox"/>	Traces of Leak Inside	<input type="checkbox"/>
Lined	<input checked="" type="checkbox"/>	Coated Fabrics/Laminates	<input type="checkbox"/>	Intermittent Pooling	<input type="checkbox"/>	Traces of Leak Outside	<input type="checkbox"/>
Steel	<input type="checkbox"/>	Other _____	<input type="checkbox"/>	Intact	<input checked="" type="checkbox"/>	Dry	<input checked="" type="checkbox"/>

Observations

Environmental Damage

- Damage from animals or vegetation compromising liner integrity
- Discoloration, erosion, or chemical degradation of the liner
- Degradation from the storm water flow or erosion of containment

Comments

N/A

Physical Damage

- Cracks, holes, bulges, stains, chips, or seepages in the liner system
- Improper or deferred maintenance of the liner system
- Dike wall, foundation, or embankment movement, settlement, or deterioration compromising liner integrity
- Degradation of the liner system at penetrations (piping, supports, wells, foundations, pads, etc.)
- Damage to the liner system from equipment, vehicles, foot traffic, etc.
- Evidence of foundation movement, settlement, or deterioration

Comments *Please take pictures of any type of damage (holes, etc.)

N/A

Appendix H

Laboratory Analytical Reports



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

February 21, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LAYLA SWD 27 #001

Enclosed are the results of analyses for samples received by the laboratory on 02/17/25 13:09.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 1 @ SURF (H250938-01)

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	02/18/2025	ND	1.85	92.5	2.00	2.64	
Toluene*	<0.050	0.050	02/18/2025	ND	2.06	103	2.00	1.17	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.21	111	2.00	2.29	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	6.76	113	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36400	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 1 @ 1' (H250938-02)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	QR-03
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	QR-03
Total BTEX	<0.300	0.300	02/18/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 2 @ SURF (H250938-03)

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	02/18/2025	ND	1.86	92.9	2.00	0.201		
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81		
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92		
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29		
Total BTEX	<0.300	0.300	02/18/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	34400	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71		
DRO >C10-C28*	66.7	10.0	02/18/2025	ND	186	93.2	200	4.44		
EXT DRO >C28-C36	17.0	10.0	02/18/2025	ND						

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 2 @ 1' (H250938-04)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7000	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 2 @ 2' (H250938-05)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	3520	16.0	02/18/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/18/2025	ND	198	99.1	200	1.71		
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44		
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND						

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 2 @ 3' (H250938-06)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	3040	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 3 @ SURF (H250938-07)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	21600	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	137	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	53.6	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 3 @ 1' (H250938-08)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	4080	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 3 @ 2' (H250938-09)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	2920	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 3 @ 3' (H250938-10)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	2680	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 4 @ SURF (H250938-11)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	60000	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	51.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	11.6	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 4 @ 1' (H250938-12)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	4960	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 4 @ 2' (H250938-13)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	1490	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: TT - 4 @ 3' (H250938-14)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	1250	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: EH - 1 (H250938-15)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	528	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: EH - 2 (H250938-16)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	448	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: WH - 1 (H250938-17)

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	02/18/2025	ND	1.86	92.9	2.00	0.201		
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81		
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92		
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29		
Total BTEX	<0.300	0.300	02/18/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71		
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44		
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND						

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: WH - 2 (H250938-18)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	32.0	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: NH (H250938-19)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/17/2025	Sampling Date:	02/14/2025
Reported:	02/21/2025	Sampling Type:	Soil
Project Name:	LAYLA SWD 27 #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: SH (H250938-20)

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	02/18/2025	ND	1.86	92.9	2.00	0.201	
Toluene*	<0.050	0.050	02/18/2025	ND	2.11	106	2.00	2.81	
Ethylbenzene*	<0.050	0.050	02/18/2025	ND	2.34	117	2.00	2.92	
Total Xylenes*	<0.150	0.150	02/18/2025	ND	7.12	119	6.00	3.29	
Total BTEX	<0.300	0.300	02/18/2025	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	416	16.0	02/18/2025	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	02/18/2025	ND	198	99.1	200	1.71	
DRO >C10-C28*	<10.0	10.0	02/18/2025	ND	186	93.2	200	4.44	
EXT DRO >C28-C36	<10.0	10.0	02/18/2025	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental
Project Manager: Lance Crenshaw
Address: 2617 W Marland Blvd
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21279 Project Owner: Mewbourne Oil Company
Project Name: Layla SWD 27 #001
Project Location: GPS:(32.278289, -104.070126)
Sampler Name: Aaron Rios

Table with columns: Lab I.D., Sample I.D., (G/RAB OR (C/OMP), # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH, BTEX 8021. Includes handwritten entries for 10 samples.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: Tamarah Kendrick
Date: 2/17/2025 Time: 1309
Received By: [Signature]
Phone Result: [] Yes [] No Add'l Phone #:
Fax Result: [] Yes [] No Add'l Fax #:
REMARKS: Email copy of COC and results to: PM@etechenv.com
Delivered By: (Circle One) -8.5: C+0.3:
Sampler - UPS - Bus - Other: -8.2: #140
Sample Condition: Cool Intact [] Yes [] No
CHECKED BY: [Signature]

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476
FORM-006 R 2.0



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental
Project Manager: Lance Crenshaw
Address: 2617 W Marland Blvd
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21279 Project Owner: Mewbourne Oil Company
Project Name: Layla SWD 27 #001
Project Location: GPS:(32.278289, -104.070126)
Sampler Name: Aaron Rios

Table with columns: Lab I.D., Sample I.D., Matrix (Groundwater, Wastewater, Soil, Oil, Sludge, Other), Preserv. (Acid/Base, Ice/Cool, Other), Sampling (Date, Time), Chloride, TPH, BTEX 8021. Rows 11-20 contain sample data.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: Tamarah Kendrick
Date: 2/17/2025 Time: 1309
Received By: [Signature]
Delivered By: (Circle One) -85: C+0-3:
Sampler - UPS - Bus - Other: -82: #140
Sample Condition: Cool Intact
Checked By: [Signature]

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476
FORM-006 R 2.0



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

December 17, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LAYLA 27 SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 12/11/25 14:52.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 1 @ 2' (H257693-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2025	ND	1.83	91.4	2.00	4.72	
Toluene*	<0.050	0.050	12/12/2025	ND	1.95	97.4	2.00	2.00	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.167	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.83	97.2	6.00	0.0860	
Total BTEX	<0.300	0.300	12/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	12/12/2025	ND	416	104	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.0 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 2 @ 2' (H257693-02)

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	12/12/2025	ND	1.83	91.4	2.00	4.72	
Toluene*	<0.050	0.050	12/12/2025	ND	1.95	97.4	2.00	2.00	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.167	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.83	97.2	6.00	0.0860	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	12/12/2025	ND	416	104	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 72.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.2 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 3 @ 2' (H257693-03)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7680	16.0	12/12/2025	ND	416	104	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.2 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
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Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 4 @ 2' (H257693-04)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	12/12/2025	ND	416	104	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 76.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.2 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
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Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 5 @ 2' (H257693-05)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	12/12/2025	ND	416	104	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 80.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.1 % 39.9-141

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Analytical Results For:

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Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 6 @ 2' (H257693-06)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	12/12/2025	ND	416	104	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.9 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 7 @ 2' (H257693-07)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	12/12/2025	ND	416	104	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 69.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.1 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 8 @ 2' (H257693-08)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	12/12/2025	ND	416	104	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.6 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 9 @ 2' (H257693-09)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7440	16.0	12/12/2025	ND	416	104	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 10 @ 2' (H257693-10)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	12/12/2025	ND	416	104	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 11 @ 2' (H257693-11)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	12/12/2025	ND	432	108	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 103 % 52.4-130

Surrogate: 1-Chlorooctadecane 107 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 12 @ 2' (H257693-12)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	12/12/2025	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 13 @ 2' (H257693-13)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	12/12/2025	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 14 @ 2' (H257693-14)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	12/12/2025	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	131	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	50.3	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 15 @ 2' (H257693-15)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	12/12/2025	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 65.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 66.4 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 16 @ 2' (H257693-16)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	12/12/2025	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	12/15/2025	ND	211	105	200	0.710	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	229	114	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 17 @ 2' (H257693-17)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 58.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 54.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 18 @ 2' (H257693-18)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	12.6	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 68.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 66.2 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 19 @ 2' (H257693-19)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	21.9	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 70.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 65.1 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 20 @ 2' (H257693-20)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.5 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 21 @ 2' (H257693-21)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	10.8	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 73.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.0 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 22 @ 2' (H257693-22)

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	12/12/2025	ND	1.83	91.5	2.00	0.430	
Toluene*	<0.050	0.050	12/12/2025	ND	1.98	99.2	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.97	98.4	2.00	0.848	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.93	98.8	6.00	0.817	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9060	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	11.2	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.7 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 23 @ 2' (H257693-23)

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	12/12/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/12/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	12.1	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 74.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 68.5 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 24 @ 2' (H257693-24)

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	12/12/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/12/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11900	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	26.8	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 73.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.4 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 25 @ 2' (H257693-25)

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	12/12/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/12/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5060	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 58.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 54.4 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 26 @ 2' (H257693-26)

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	12/12/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/12/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6130	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	21.4	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 66.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 62.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 27 @ 2' (H257693-27)

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	12/12/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/12/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	14.3	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.9 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 28 @ 2' (H257693-28)

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	12/12/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/12/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/12/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/12/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	15.1	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.2 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 29 @ 2' (H257693-29)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 79.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.6 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 30 @ 2' (H257693-30)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.0 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 31 @ 2' (H257693-31)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 75.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 32 @ 2' (H257693-32)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.3 % 39.9-141

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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:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 33 @ 2' (H257693-33)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6080	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	11.6	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 75.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.9 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 34 @ 2' (H257693-34)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9860	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	21.8	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.5 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 35 @ 2' (H257693-35)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	11.3	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 36 @ 2' (H257693-36)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	12/12/2025	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	12/15/2025	ND	219	109	200	1.63	
DRO >C10-C28*	11.5	10.0	12/15/2025	ND	199	99.5	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.5 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 37 @ 2' (H257693-37)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5920	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 73.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.6 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 38 @ 2' (H257693-38)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 70.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.8 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
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 Fax To:

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 39 @ 2' (H257693-39)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.0 % 39.9-141

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Analytical Results For:

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 Fax To:

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: NW 1 (H257693-40)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	264	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	23.5	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: NW 2 (H257693-41)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.3 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: EW 1 (H257693-42)

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	12/13/2025	ND	1.77	88.4	2.00	5.03	
Toluene*	<0.050	0.050	12/13/2025	ND	1.94	96.9	2.00	4.64	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.94	96.8	2.00	3.85	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.80	96.6	6.00	4.42	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.0 % 39.9-141

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Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: EW 2 (H257693-43)

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	12/13/2025	ND	1.75	87.3	2.00	9.28		
Toluene*	<0.050	0.050	12/13/2025	ND	1.89	94.4	2.00	10.5		
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.85	92.5	2.00	10.7		
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.48	91.4	6.00	11.8		
Total BTEX	<0.300	0.300	12/13/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00		
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	227	114	200	1.44		
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND						

Surrogate: 1-Chlorooctane 84.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.7 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: SW 1 (H257693-44)

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	12/13/2025	ND	1.75	87.3	2.00	9.28	
Toluene*	<0.050	0.050	12/13/2025	ND	1.89	94.4	2.00	10.5	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.85	92.5	2.00	10.7	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.48	91.4	6.00	11.8	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 84.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.8 % 39.9-141

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: SW 2 (H257693-45)

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	12/13/2025	ND	1.75	87.3	2.00	9.28	
Toluene*	<0.050	0.050	12/13/2025	ND	1.89	94.4	2.00	10.5	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.85	92.5	2.00	10.7	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.48	91.4	6.00	11.8	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: WW 1 (H257693-46)

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	12/13/2025	ND	1.75	87.3	2.00	9.28	
Toluene*	<0.050	0.050	12/13/2025	ND	1.89	94.4	2.00	10.5	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.85	92.5	2.00	10.7	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.48	91.4	6.00	11.8	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: WW 2 (H257693-47)

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	12/13/2025	ND	1.75	87.3	2.00	9.28	
Toluene*	<0.050	0.050	12/13/2025	ND	1.89	94.4	2.00	10.5	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.85	92.5	2.00	10.7	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.48	91.4	6.00	11.8	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	28800	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	201	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	120	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2025	Sampling Date:	12/10/2025
Reported:	12/17/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: WW 3 (H257693-48)

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	12/13/2025	ND	1.75	87.3	2.00	9.28	
Toluene*	<0.050	0.050	12/13/2025	ND	1.89	94.4	2.00	10.5	
Ethylbenzene*	<0.050	0.050	12/13/2025	ND	1.85	92.5	2.00	10.7	
Total Xylenes*	<0.150	0.150	12/13/2025	ND	5.48	91.4	6.00	11.8	
Total BTEX	<0.300	0.300	12/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/12/2025	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	12/15/2025	ND	240	120	200	2.00	
DRO >C10-C28*	<10.0	10.0	12/15/2025	ND	227	114	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	12/15/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21279 Project Owner: Mowbourne Oil Company
Project Name: Layla 27 SWD #001
Project Location: 32.27803, -104.06982
Sampler Name: Dominic Casarez

Table with columns: Lab I.D., Sample I.D., MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH (8015M), BTEX (8021B). Rows 1-10 show sample data.

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.

CST0402401K

Relinquished By: [Signature] Date: 12/11/25 Time: 1452 Received By: [Signature] Verbal Result: [X] Yes [] No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechnv.com
Delivered By: (Circle One) Observed Temp. °C = 1.4 Corrected Temp. °C = 1.1 Sample Condition Cool intact [X] Yes [] No [] Yes [] No CHECKED BY: (Initials) SR Turnaround Time: Standard [X] Rush [] Bacteria (only) Sample Condition Cool Intact [] Yes [] No [] No [] No Observed Temp. °C Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21279 Project Owner: Mewbourne Oil Company
Project Name: Layla 27 SWD #001
Project Location: 32.27803, -104.06982
Sampler Name: Dominic Casarez

Table with columns: Lab I.D., Sample I.D., MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), and ANALYSIS REQUEST (Chloride, TPH (8015M), BTEX (8021B)). Rows 31-30 list samples FL 21 @ 2' to FL 30 @ 2'.

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.

PS 10402401K

Relinquished By: [Signature] Date: 12/12/25 Time: 1452
Received By: [Signature] Verbal Result: [] Yes [] No Add'l Phone #:
REMARKS:
Delivered By: (Circle One) Observed Temp. °C: 14 Corrected Temp. °C: 11.2
Sample Condition: Cool Intact [] Yes [] No [] No [] No
CHECKED BY: (Initials) SR
Turnaround Time: Standard [X] Rush [] Bacteria (only) Sample Condition: Cool Intact [] Yes [] No [] No [] No Observed Temp. °C: Corrected Temp. °C:
Thermometer ID #140 Correction Factor -0.6°C TO -3°C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21279 Project Owner: Mewbourne Oil Company
Project Name: Layla 27 SWD #001
Project Location: 32.27803, -104.06982
Sampler Name: Dominic Casarez

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH (8015M), BTEX (8021B). Rows include samples 31-40 and NW 1.

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.

CS10402401K

Relinquished By: [Signature] Date: 12-11-25 Time: 14:52 Received By: [Signature] Date: 1452
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS:
Delivered By: (Circle One) Observed Temp. °C: -1.4 Corrected Temp. °C: -1.2 Sample Condition Cool Intact [] Yes [] No [] No [] No CHECKED BY: (Initials) SK Turnaround Time: Standard [X] Rush [] Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] No [] No Corrected Temp. °C Thermometer ID #140 Correction Factor -0.8°C +0.3°C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form containing company information (Etech Environmental & Safety Solutions, Inc.), project details (Lance Crenshaw, 2617 West Marland), and a large table for analysis results with columns for Lab I.D., Sample I.D., Matrix, Preservation, Sampling, and various chemical tests (Chloride, TPH, BTEX).

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Handwritten ID: CS-0402401K

Bottom section of the form containing 'Relinquished By' and 'Received By' signatures, dates, times, and checkboxes for 'Delivered By' and 'Sample Condition'.



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

December 19, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LAYLA 27 SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 12/15/25 14:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 40 @ 2' (H257753-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	12/16/2025	ND	2.29	115	2.00	4.65	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	2.43	121	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	7.24	121	6.00	3.42	
Total BTEX	<0.300	0.300	12/16/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	35.7	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	13.6	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.3 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 41 @ 2' (H257753-02)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	12/16/2025	ND	2.29	115	2.00	4.65	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	2.43	121	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	7.24	121	6.00	3.42	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 158 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.2 % 39.9-141

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 42 @ 2' (H257753-03)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	12/16/2025	ND	2.29	115	2.00	4.65	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	2.43	121	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	7.24	121	6.00	3.42	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 153 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 74.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.1 % 39.9-141

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Analytical Results For:

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 43 @ 2' (H257753-04)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	12/16/2025	ND	2.29	115	2.00	4.65	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	2.43	121	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	7.24	121	6.00	3.42	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 153 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.3 % 39.9-141

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 44 @ 2' (H257753-05)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	12/16/2025	ND	2.29	115	2.00	4.65	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	2.43	121	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	7.24	121	6.00	3.42	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 153 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	23.9	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	10.9	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.1 % 39.9-141

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 45 @ 2' (H257753-06)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	12/16/2025	ND	2.29	115	2.00	4.65	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	2.43	121	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	7.24	121	6.00	3.42	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 142 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	31.1	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	15.6	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 84.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.0 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 46 @ 2' (H257753-07)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	12/16/2025	ND	2.29	115	2.00	4.65	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	2.43	121	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	7.24	121	6.00	3.42	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 165 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.9 % 39.9-141

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Analytical Results For:

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 47 @ 2' (H257753-08)

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	12/16/2025	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	12/16/2025	ND	2.29	115	2.00	4.65	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	2.43	121	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	7.24	121	6.00	3.42	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	23.8	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.6 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 48 @ 2' (H257753-09)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	12/16/2025	ND	2.29	115	2.00	4.65	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	2.43	121	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	7.24	121	6.00	3.42	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 151 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.1 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 49 @ 2' (H257753-10)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.96	98.0	2.00	6.18	
Toluene*	<0.050	0.050	12/16/2025	ND	2.29	115	2.00	4.65	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	2.43	121	2.00	3.68	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	7.24	121	6.00	3.42	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.5 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 50 @ 2' (H257753-11)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	QR-03
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	QR-03
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	QR-03
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	13.2	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.1 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 51 @ 2' (H257753-12)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5080	16.0	12/17/2025	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	12/16/2025	ND	211	105	200	8.13	
DRO >C10-C28*	13.6	10.0	12/16/2025	ND	205	102	200	7.62	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 98.6 % 39.9-141

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Analytical Results For:

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 HOBBS NM, 88240
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 52 @ 2' (H257753-13)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4600	16.0	12/17/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 66.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 54.5 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 53 @ 2' (H257753-14)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	12/17/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 60.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 50.2 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 54 @ 2' (H257753-15)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	12/17/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 59.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 48.3 % 39.9-141

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Analytical Results For:

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 55 @ 2' (H257753-16)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	12/17/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 76.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 62.1 % 39.9-141

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Analytical Results For:

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 56 @ 2' (H257753-17)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4520	16.0	12/17/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 72.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 60.0 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 57 @ 2' (H257753-18)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	12/17/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 65.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 56.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 58 @ 2' (H257753-19)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	12/17/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 74.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 63.9 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 59 @ 2' (H257753-20)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.4 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 60 @ 2' (H257753-21)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.0 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 61 @ 2' (H257753-22)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	12/16/2025	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	12/17/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/17/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/17/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.6 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 62 @ 2' (H257753-23)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 59.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 45.9 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 63 @ 2' (H257753-24)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 75.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 58.7 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 64 @ 2' (H257753-25)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 66.8 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 65 @ 2' (H257753-26)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 75.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 62.2 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 66 @ 2' (H257753-27)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.7 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 67 @ 2' (H257753-28)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	59.9	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 65.6 % 39.9-141

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Analytical Results For:

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 HOBBS NM, 88240
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 68 @ 2' (H257753-29)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 58.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 47.1 % 39.9-141

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Analytical Results For:

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 HOBBS NM, 88240
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 69 @ 2' (H257753-30)

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	12/16/2025	ND	1.94	96.8	2.00	0.436	
Toluene*	<0.050	0.050	12/16/2025	ND	1.76	88.1	2.00	2.57	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.95	97.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.97	99.4	6.00	9.46	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	16.8	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 73.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 60.2 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 70 @ 2' (H257753-31)

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	12/16/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/16/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/16/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	13.7	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 60.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 49.6 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 71 @ 2' (H257753-32)

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	12/16/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/16/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	12/16/2025	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	12/16/2025	ND	221	110	200	0.848	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	207	104	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 70.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 57.4 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 72 @ 2' (H257753-33)

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	12/16/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/16/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	12/16/2025	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	12/17/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	17.1	10.0	12/17/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/17/2025	ND					

Surrogate: 1-Chlorooctane 74.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.8 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 73 @ 2' (H257753-34)

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	12/16/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/16/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/16/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4520	16.0	12/16/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 69.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.2 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 74 @ 2' (H257753-35)

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	12/16/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/16/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/16/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	12/16/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.4 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 75 @ 2' (H257753-36)

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	12/16/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/16/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	12/16/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 88.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.0 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 76 @ 2' (H257753-37)

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	12/16/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/16/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	12/16/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	41.8	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	13.1	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 75.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 70.3 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 77 @ 2' (H257753-38)

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	12/16/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/16/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	12/16/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.8 % 39.9-141

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Analytical Results For:

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 78 @ 2' (H257753-39)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	12/16/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	50.5	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	15.1	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 77.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.1 % 39.9-141

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Analytical Results For:

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 HOBBS NM, 88240
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 79 @ 2' (H257753-40)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.3 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 80 @ 2' (H257753-41)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 89.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 86.3 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 81 @ 2' (H257753-42)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4280	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.0 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
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 2617 W MARLAND
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 82 @ 2' (H257753-43)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.3 % 39.9-141

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Analytical Results For:

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 83 @ 2' (H257753-44)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 76.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.1 % 39.9-141

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 84 @ 2' (H257753-45)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.7 % 39.9-141

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 85 @ 2' (H257753-46)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.5 % 39.9-141

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Analytical Results For:

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 86 @ 2' (H257753-47)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.7 % 39.9-141

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 87 @ 2' (H257753-48)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 77.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.3 % 39.9-141

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Analytical Results For:

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 HOBBS NM, 88240
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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: FL 88 @ 2' (H257753-49)

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	12/17/2025	ND	2.03	101	2.00	6.31	
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61	
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07	
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64	
Total BTEX	<0.300	0.300	12/17/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	106	10.0	12/16/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	30.8	10.0	12/16/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.4 % 39.9-141

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Analytical Results For:

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: EW 3 (H257753-50)

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	12/17/2025	ND	2.03	101	2.00	6.31		
Toluene*	<0.050	0.050	12/17/2025	ND	1.87	93.6	2.00	7.61		
Ethylbenzene*	<0.050	0.050	12/17/2025	ND	1.77	88.5	2.00	8.07		
Total Xylenes*	<0.150	0.150	12/17/2025	ND	5.51	91.8	6.00	7.64		
Total BTEX	<0.300	0.300	12/17/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/17/2025	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	12/16/2025	ND	189	94.7	200	5.73		
DRO >C10-C28*	<10.0	10.0	12/16/2025	ND	193	96.5	200	2.04		
EXT DRO >C28-C36	<10.0	10.0	12/16/2025	ND						

Surrogate: 1-Chlorooctane 80.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.0 % 39.9-141

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Analytical Results For:

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Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: SW 3 (H257753-51)

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	12/16/2025	ND	1.83	91.4	2.00	2.41		
Toluene*	<0.050	0.050	12/16/2025	ND	1.83	91.7	2.00	3.33		
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.83	91.3	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.72	95.3	6.00	4.11		
Total BTEX	<0.300	0.300	12/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/17/2025	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	12/17/2025	ND	189	94.7	200	5.73		
DRO >C10-C28*	<10.0	10.0	12/17/2025	ND	193	96.5	200	2.04		
EXT DRO >C28-C36	<10.0	10.0	12/17/2025	ND						

Surrogate: 1-Chlorooctane 71.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.9 % 39.9-141

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

Received:	12/15/2025	Sampling Date:	12/11/2025
Reported:	12/19/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.27803-104.06982		

Sample ID: SW 4 (H257753-52)

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	12/16/2025	ND	1.83	91.4	2.00	2.41	
Toluene*	<0.050	0.050	12/16/2025	ND	1.83	91.7	2.00	3.33	
Ethylbenzene*	<0.050	0.050	12/16/2025	ND	1.83	91.3	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/16/2025	ND	5.72	95.3	6.00	4.11	
Total BTEX	<0.300	0.300	12/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10700	16.0	12/17/2025	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	12/17/2025	ND	189	94.7	200	5.73	
DRO >C10-C28*	113	10.0	12/17/2025	ND	193	96.5	200	2.04	
EXT DRO >C28-C36	41.7	10.0	12/17/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21279 Project Owner: Mewbourne Oil Company
Project Name: Layla 27 SWD #001
Project Location: 32.27803, -104.06982
Sampler Name: Dominic Casarez

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH (8015M), BTEX (8021B). Rows 1-9 with sample IDs FL 40-49 @ 2'.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: [Signature] Date: 12-15-25 Time: 1440
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [Blank] Yes [Blank] No Add'l Phone #: [Blank]
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS: [Blank]
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: -7.3 Corrected Temp. °C: -7.0
Sample Condition Cool Intact [Blank] Yes [Blank] No [Blank]
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [Blank] Rush [X]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [Blank] Yes [Blank] No [Blank]
Thermometer ID #140 Correction Factor -0.6°C +0.3°C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21279 Project Owner: Mewbourne Oil Company
Project Name: Layla 27 SWD #001
Project Location: 32.27803, -104.06982
Sampler Name: Dominic Casarez

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH (8015M), BTEX (8021B). Rows 21-29.

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Relinquished By: [Signature] Date: 12-15-25 Time: 1440
Received By: [Signature] Verbal Result: Yes No Add'l Phone #:
REMARKS:
Delivered By: (Circle One) Observed Temp. °C: -7.3 Corrected Temp. °C: -7.0
Sample Condition Cool Intact CHECKED BY: (Initials) Turnaround Time: Standard Rush X Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21279 Project Owner: Mewbourne Oil Company
Project Name: Layla 27 SWD #001
Project Location: 32.27803, -104.06982
Sampler Name: Dominic Casarez

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), Chloride, TPH (8015M), BTEX (8021B). Rows 31-40.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: [Signature] Date: 12-15-25 Time: 1440
Received By: [Signature] Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechnv.com
REMARKS:
Delivered By: (Circle One) Observed Temp. °C -7.3 Corrected Temp. °C -7.0
Sample Condition Cool Intact [] Yes [] No
CHECKED BY: (Initials) AD
Turnaround Time: Standard [] Rush [X] Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] Yes [] No Corrected Temp. °C
Thermometer ID #140 Correction Factor -0.6°C +0.3°C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form containing company information (Etech Environmental & Safety Solutions, Inc.), project details (Lance Crenshaw, Layla 27 SWD #001), and a table of samples with columns for Lab I.D., Sample I.D., Matrix, Preservation, Sampling, and Analysis Request (Chloride, TPH, BTEX).

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Form for Relinquished/Received By, Verbal Result, Remarks, and Delivered By information, including handwritten signatures and dates.



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Lance Crenshaw
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21279 Project Owner: Mewbourne Oil Company
Project Name: Layla 27 SWD #001
Project Location: 32.27803, -104.06982
Sampler Name: Dominic Casarez
BILL TO: P.O. #: Company: Mewbourne Oil Company Attn: Connor Walker Address: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride TPH (8015M) BTEX (8021B)

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Relinquished By: [Signature] Date: 12-15-25 Time: 7:40
Received By: [Signature] Date: Received By:
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS:
Delivered By: (Circle One) Observed Temp. °C -7.3 Corrected Temp. °C -7.0
Sample Condition Cool Intact [] Yes [] No [] Yes [] No
CHECKED BY: (Initials) PP
Turnaround Time: Standard [] Rush [X]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] Yes [] No
Thermometer ID #140 Correction Factor -0.6°C to 0.3°C



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

December 29, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LAYLA 27 SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 12/19/25 12:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/19/2025	Sampling Date:	12/18/2025
Reported:	12/29/2025	Sampling Type:	Soil
Project Name:	LAYLA 27 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	21279	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.278289-104.070126		

Sample ID: STOCKPILE SAMPLE (H257853-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2025	ND	1.72	86.0	2.00	3.99	
Toluene*	<0.050	0.050	12/22/2025	ND	1.89	94.7	2.00	1.66	
Ethylbenzene*	<0.050	0.050	12/22/2025	ND	1.86	93.1	2.00	1.11	
Total Xylenes*	<0.150	0.150	12/22/2025	ND	5.51	91.8	6.00	1.93	
Total BTEX	<0.300	0.300	12/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/22/2025	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	12/19/2025	ND	192	96.1	200	0.444	
DRO >C10-C28*	<10.0	10.0	12/19/2025	ND	175	87.3	200	0.846	
EXT DRO >C28-C36	<10.0	10.0	12/19/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental
Project Manager: Lance Crenshaw
Address: 2617 W Marland Blvd
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21279 Project Owner: Mewbourne Oil Company
Project Name: Layla SWD 27 #001
Project Location: GPS:(32.278289, -104.070126)
Sampler Name: Dominic Casarez
BILL TO
ANALYSIS REQUEST
Lab I.D. Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS
MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER
PRESERV: ACID/BASE, ICE / COOL, OTHER
SAMPLING: DATE, TIME
Chloride, TPH, BTEX 8021

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Relinquished By: [Signature] Date: 12-19 Time: 12:00
Received By: [Signature] Date: Time:
Delivered By: (Circle One) -44- / C-03-
Sampler - UPS - Bus - Other: -4.12 / #140
Sample Condition Cool intact: [X] Yes [] No
CHECKED BY: (Initials) AD
REMARKS: Email copy of COC and results to: PM@etechenv.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476
FORM-006 R 2.0

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 554346

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 554346
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2428849677
Incident Name	NAPP2428849677 LAYLA 27 SWD #1 @ 30-015-22638
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Well	[30-015-22638] LAYLA 27 SWD #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Layla 27 SWD #1
Date Release Discovered	10/05/2024
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Injection Produced Water Released: 305 BBL Recovered: 250 BBL Lost: 55 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

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<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 554346

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 554346
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jeff Broom Title: Environmental Rep Email: jbroom@mewbourne.com Date: 02/16/2026
--	---

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 554346

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 554346
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 300 and 500 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 500 and 1000 (ft.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	12/01/2025
On what date will (or did) the final sampling or liner inspection occur	12/18/2025
On what date will (or was) the remediation complete(d)	12/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	17564
What is the estimated volume (in cubic yards) that will be remediated	976

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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 554346

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 554346
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff
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

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jeff Broom Title: Environmental Rep Email: jbbroom@mewbourne.com Date: 02/16/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 554346

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 554346
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Tanks and lined containment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	17564
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1626
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	fAPP2125749049 LAYLA 27 SWD #1 BATTERY
Enter the well API (30-) on which this deferral should be granted	30-015-22638 LAYLA 27 SWD #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: 02/16/2026

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QUESTIONS, Page 6

Action 554346

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 554346
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	533581
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/12/2025
What was the (estimated) number of samples that were to be gathered	80
What was the sampling surface area in square feet	15596

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 554346

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 554346
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. The excavation was completed to the maximum extent practicable to protect the integrity of the facility liner. Deferral is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	3/5/2026