



October 17, 2025

New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Deferral Request  
Pinestraw CTB  
Incident Number nAPP2524955152  
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request* to document assessment and soil sampling activities performed at the Pinestraw CTB (Site) in Unit C, Section 05, Township 25 South, Range 36 East, in Lea County, New Mexico (Figure 1). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following the release of crude oil inside the lined secondary containment. Based on field observations, field screening activities, and laboratory analytical results, Matador is submitting this *Deferral Request*, describing Site assessment activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2524955152 until the Site is reconstructed and/or the pad is abandoned.

## **SITE DESCRIPTION AND RELEASE SUMMARY**

The release was initially reported at the incorrect location but following a review of initial release records, internal documents, and personnel communications, it was confirmed the release is located at the Pinestraw CTB. The release is located in Unit C, Section 05, Township 25 South, Range 36 East, in Lea County, New Mexico (32.16488°, -103.28793°) and is associated with oil and gas exploration and production operations on Private Land.

On September 6, 2025, an equipment failure caused the overflow of a crude oil tank inside the lined secondary containment at the Site. The tank overflow resulted in the release of approximately 60 barrels (bbls) of crude oil; 60 bbls of crude oil were recovered via vacuum truck. Matador reported the release via Notification of Release (NOR) to the New Mexico Oil Conservation Division (NMOCD) on September 6, 2025, and submitted an Initial C-141 Application (C-141) on September 9, 2025. The release was assigned Incident Number nAPP2524955152.

## **SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below.

According to the New Mexico Office of the State Engineer (NMOSE), the closest permitted groundwater well with depth to groundwater data is CP-1949, located approximately 2,276 feet northwest of the release area with a reported depth to groundwater greater than 102 feet below ground surface (bgs) and

a total depth of 102 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallow groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 1,130 feet west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

## SITE ASSESSMENT ACTIVITIES

A 48-hour advance notice of a liner inspection was provided via portal to the NMOCD on September 17, 2025. A liner integrity inspection was conducted by Ensolum personnel on September 19, 2025, and the liner was determined to be insufficient to contain the release in question.

On September 19, 2025, Ensolum personnel completed a liner integrity inspection, and two holes were identified in the lined secondary containment liner. Ensolum personnel advanced two boreholes (BH01 and BH02) via hand auger inside the lined secondary containment. Boreholes BH01 and BH02 were advanced to a maximum depth of 1-foot bgs. On September 23, 2025, and September 24, 2025, delineation activities were conducted to confirm the impacts were laterally contained by the lined containment walls. Ensolum personnel collected six lateral delineation soil samples (SS01 through SS06) from around the lined secondary containment at ground surface and 1-foot bgs. Soils from lateral delineation and vertical delineation sampling were field screened for TPH utilizing a calibrated PetroFLAG® soil analyzer system and for chloride using Hach® chloride QuanTab® test strips.

The delineation soil sample locations are depicted on Figure 2. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. Photographs were taken during the liner integrity inspection and during soil sampling activities and a photographic log is included in Appendix C.

All soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington,

Matador Production Company  
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New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS06) collected from around the lined secondary containment, were in compliance with the Site Closure Criteria and with the strictest Closure Criteria at ground surface and 1-foot bgs. Laboratory analytical results from delineation borehole BH01 was in compliance with the Site Closure Criteria at ground surface and the strictest Closure Criteria at 0.5 feet bgs. Borehole BH02 exceeded the Site Closure Criteria at the ground surface but was in compliance with the Site Closure Criteria at a depth of 0.5 feet bgs and with the strictest Closure Criteria at a depth of 1-foot bgs. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical report is included as Appendix D.

## DEFERRAL REQUEST

Matador is requesting deferral of final remediation due to the presence of active production equipment, process piping, the supports beneath them, preventing full excavation of impacted soil. The estimated area of remaining impacted soil based on analytical results for borehole BH02 measures approximately 7,461 square feet, and assuming a depth of up to 0.5 feet bgs under the lined secondary containment with a total of approximately 138 cubic yards of impacted soil remaining in place. The deferral area and delineation soil samples are depicted on Figure 2.

Impacted soil is limited to the area beneath active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS06 at ground surface and vertically delineated by borehole samples (BH01 and BH02) at depths ranging from ground surface to 0.5 feet bgs.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 102 feet bgs. Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Matador requests deferral of final remediation for Incident Number nAPP2524955152 until final reclamation of the well pad or major construction, whichever comes first.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or [agiovengo@ensolum.com](mailto:agiovengo@ensolum.com).

Sincerely,  
**Ensolum, LLC**

A handwritten signature in black ink, appearing to read "Chad Hamilton", with a stylized flourish at the end.

Chad Hamilton  
Project Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir", with a stylized flourish at the end.

Daniel R. Moir, PG (licensed in WY & TX)  
Senior Managing Geologist

cc: Jason Touchet, Matador

Matador Production Company  
Pinestraw CTB  
Deferral Request



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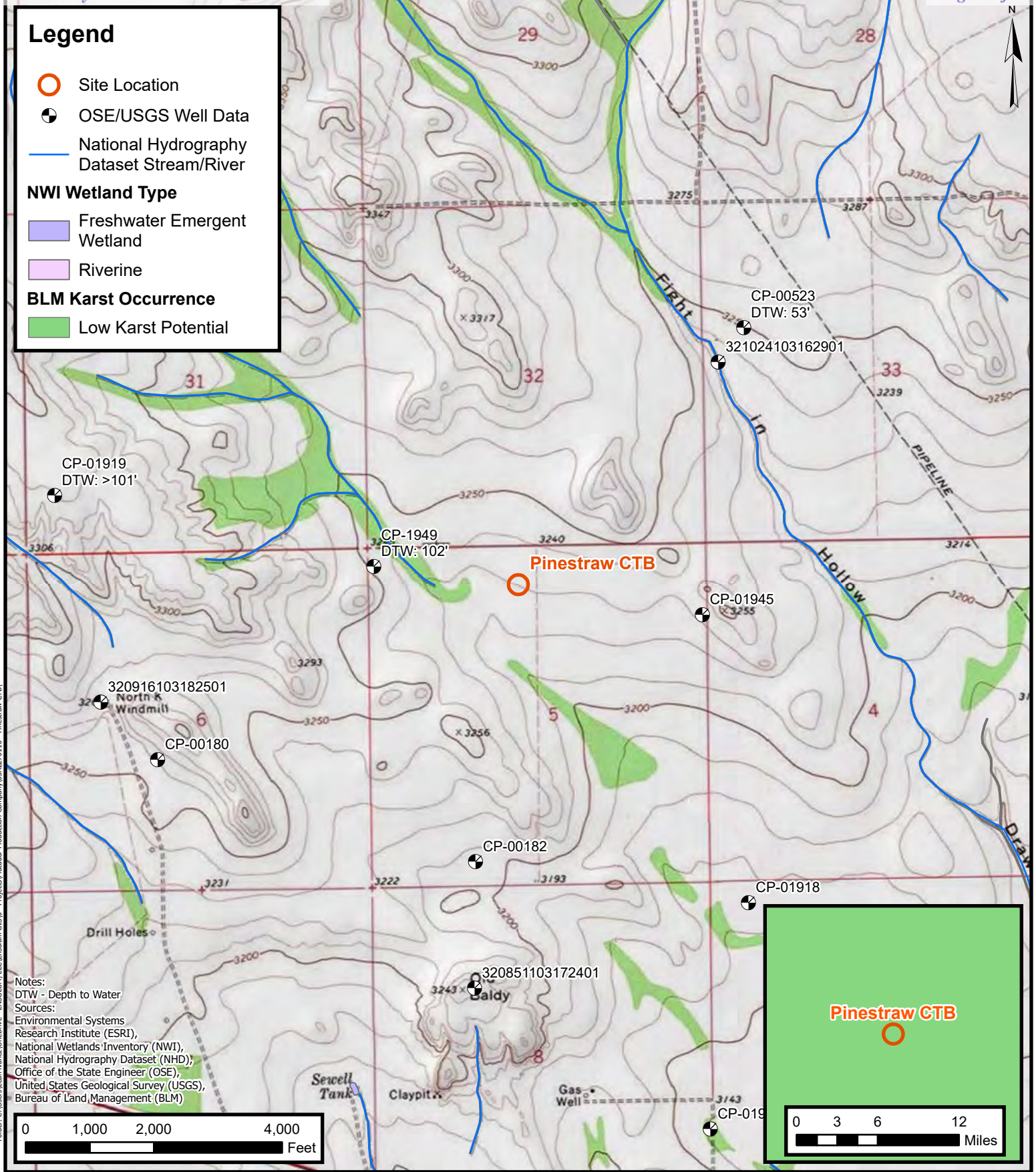
**Appendices:**

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Area of Requested Deferral
Table 1	Delineation Soil Sample Analytical Results
Appendix A	Well Record and Log
Appendix B	Lithologic Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Correspondence





FIGURES





**ENSOLUM**  
Environmental, Engineering and  
Hydrogeologic Consultants

# Site Receptor Map

Matador Production Company  
Pinestraw CTB  
Incident Number: nAPP2524955152  
Unit C, Section 05, T 25S, R 36E  
Lea County, New Mexico

# FIGURE

# 1

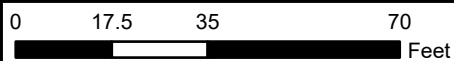


**Legend**

- ▲ Point of Release (POR)
- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Deferral Area
- Lined Containment
- Release Extent

**Notes:**

Sample ID @ Depth Below Ground Surface.  
 Concentrations in **bold** exceed the NMOCD Table I  
 Closure Criteria or reclamation standard where applicable.



Sources: Environmental Systems Research Institute (ESRI)

**Area of Requested Deferral**

Matador Production Company  
 Pinestraw CTB  
 Incident Number: nAPP2524955152  
 Unit C, Section 05, T 25S, R 36E  
 Lea County, New Mexico

**FIGURE**  
**2**



TABLES

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**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Pinestraw CTB  
 Matador Production Company  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Delineation Soil Samples</b>										
SS01	9/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.0
SS01	9/23/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81.1
SS02	9/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	9/23/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.7
SS03	9/24/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	9/24/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	9/24/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	9/24/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	9/24/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	9/24/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	9/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.5
SS06	9/23/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	9/19/2025	0	<0.0250	<0.0500	<20.0	47.4	59.2	47.4	107	472
BH01	9/19/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.8
BH02	9/19/2025	0	<0.0250	<0.0500	<20.0	3,920	4,400	<b>3,920</b>	<b>8,320</b>	34.2
BH02	9/19/2025	0.5	<0.0250	<0.0500	<20.0	105	86.0	105	191	25.9
BH02	9/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

&lt;": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



## APPENDIX A

### Well Record and Log

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S) CP-1949			
	WELL OWNER NAME(S) Ameredev Operating, LLC				PHONE (OPTIONAL) 737-300-4700			
	WELL OWNER MAILING ADDRESS 2901 Via Fortuna Suite 600				CITY Austin	STATE TX	ZIP 78746	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 9	SECONDS 56.72 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
LONGITUDE 103 17 42.72 W DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW L4 Sec.5 T25S R36E NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 2/17/23	DRILLING ENDED 2/17/23	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) ±102	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 2/20/23		
	DRILLING FLUID: <input checked="" 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: Hollow Stem Auger					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	102	±6.25"	Boring-HSA	--	--	--	--
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						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. CP-01949	POD NO. 1	TRN NO. 740633
LOCATION 25S. 36E. 06. 1. 1. 1	WELL TAG ID NO.	PAGE 1 OF 2

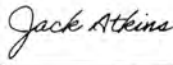


4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, fine-grained, poorly graded, Brown	Y    ✓ N	
	4	20	16	Sand, fine-grained, poorly graded, with Caliche, Tan/off white	Y    ✓ N	
	16	65	36	Sand, fine-grained, poorly grade, Tan Brown	Y    ✓ N	
	65	102	37	Clay, with fine silt, Hard, Brownish Red, 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: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):    0.00	

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: Temporary well material removed, backfilled using drill cuttings to 10 feet below ground surface (bgs), then from 10 bgs to surface with hydrated bentonite, see attached plugging record. DTW-15	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

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:	
	Jackie D. Atkins	3/7/23
SIGNATURE OF DRILLER / PRINT SIGNEE NAME		DATE

FOR USE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 01/28/2022)


FILE NO. CP-01949	POD NO. 1	TRN NO. 740633
LOCATION 755.36E.05.1.1.1	WELL TAG ID NO.	PAGE 2 OF 2




## APPENDIX B

### Lithologic Soil Sampling Logs

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 <b>ENSOLUM</b>		Sample Name: BH01		Date: 9/19/2025				
		Site Name: Pinestraw CTB						
		Incident Number: nAPP2524955152						
		Job Number: 03A2270116						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.164751 -103.287938			Logged By: Jenna Hinkle		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 1'			
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 20% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0	0	CCHE	0'-0.5' - Pad Caliche - Moist, Staining, Tan Caliche with small gravel, medium to coarse grained, non-cohesive, non-plasticity
D	<156	22	N	BH01	0.5			
D	<156	11	N		1	1	SP-SM	0.5'-1' - Sand with Silt - Dry, no staining, Poorly graded sand with silt, fine to medium grained, non-cohesive, non-plasticity
Total Depth @ 1 foot bgs.								

		Sample Name: BH02		Date: 9/19/2025				
		Site Name: Pinestraw CTB						
		Incident Number: nAPP2524955152						
		Job Number: 03A2270116						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.164733 -103.287866			Logged By: Jenna Hinkle		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 1'			
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 20% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH02	0	0	CCHE	0'-0.5' - Pad Caliche - Moist, Staining, Tan Caliche with small gravel, medium to coarse grained, non-cohesive, non-plasticity
D	<156	182	N	BH02	0.5	0.5		
D	<156	7	N	BH02	1	1	SP-SM	0.5'1' - Sand with Silt - Dry, no staining, Poorly graded sand with silt, fine to medium grained, non-cohesive, non-plasticity
Total Depth @ 1 foot bgs.								



## APPENDIX C

### Photographic Log

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## Photographic Log

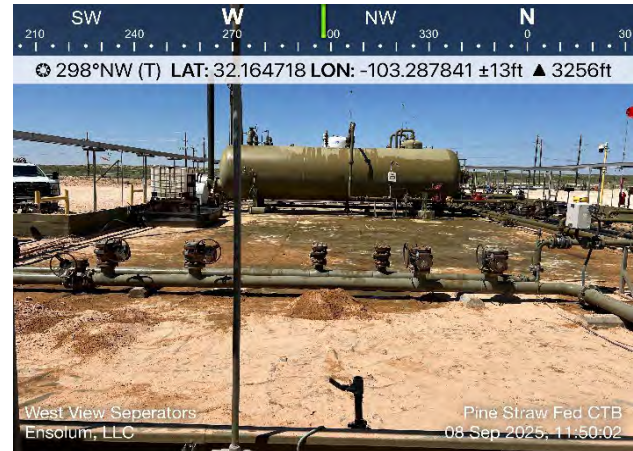
Matador Production Company

Pine Straw CTB

nAPP2524955152



Photograph 1 Date: 9/8/2025  
Description: Lease Signage  
View: Southwest



Photograph 2 Date: 9/8/2025  
Description: Release Extent  
View: Northwest



Photograph 3 Date: 9/8/2025  
Description: Release Extent  
View: Northeast



Photograph 4 Date: 9/8/2025  
Description: Release Extent  
View: East





## Photographic Log

Matador Production Company

Pinestraw CTB

nAPP2524955152



Photograph 5

Date: 9/8/2025

Description: Release Extent

View: Northeast

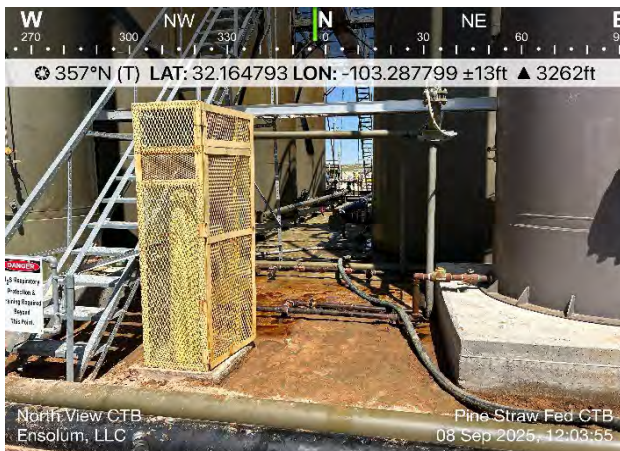


Photograph 6

Date: 9/8/2025

Description: Release Extent

View: East

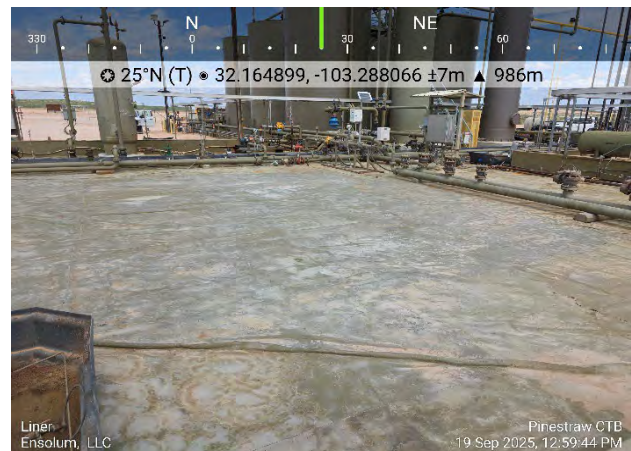


Photograph 7

Date: 9/8/2025

Description: Release Extent

View: North



Photograph 8

Date: 9/19/2025

Description: Liner Inspection

View: Northeast



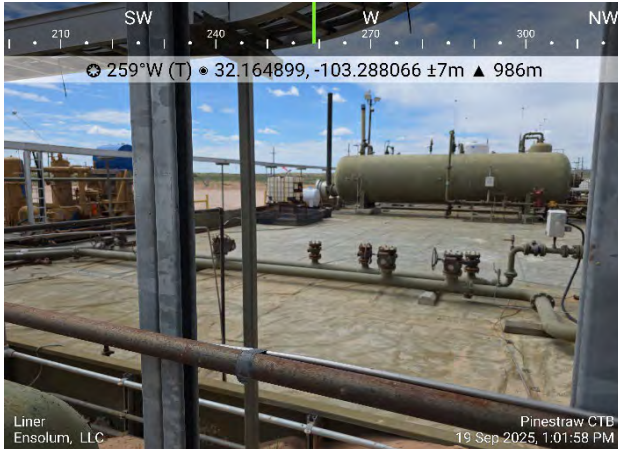


## Photographic Log

Matador Production Company

Pinestraw CTB

nAPP2524955152



Photograph 9

Date: 9/19/2025

Description: Liner Inspection

View: West



Photograph 10

Date: 9/19/2025

Description: Liner Inspection

View: Southeast



Photograph 11

Date: 9/19/2025

Description: Liner Inspection

View: Northeast



Photograph 12

Date: 9/19/2025

Description: Liner Inspection

View: South



## Photographic Log

Matador Production Company

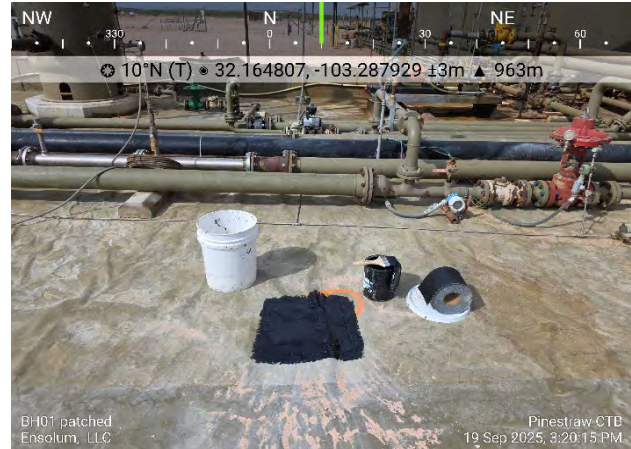
Pinestraw CTB

nAPP2524955152



Photograph 13  
Description: Delineation BH01  
View: North

Date: 9/19/2025



Photograph 14  
Description: BH01 (Patched)  
View: North

Date: 9/19/2025



Photograph 15  
Description: Delineation BH02  
View: Northwest

Date: 9/19/2025



Photograph 16  
Description: BH02 (Patched)  
View: Northwest

Date: 9/19/2025



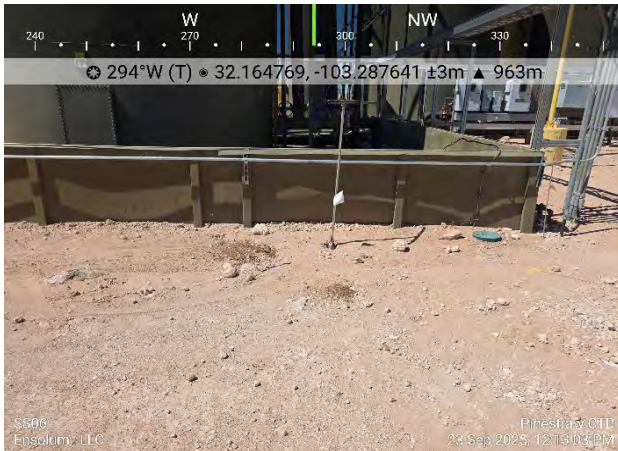


## Photographic Log

Matador Production Company

Pinestraw CTB

nAPP2524955152



Photograph 17  
Description: Delineation SS06  
View: Northwest

Date: 9/23/2025



Photograph 18  
Description: Delineation SS01  
View: West

Date: 9/23/2025



Photograph 19  
Description: Delineation SS04  
View: East

Date: 9/24/2025



Photograph 20  
Description: Delineation SS05  
View: North

Date: 9/24/2025



## APPENDIX D

### Laboratory Analytical Reports & Chain-of-Custody Documentation

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Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Pinestraw CTB

Work Order: E509282

Job Number: 23003-0002

Received: 9/25/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/1/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
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Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/1/25

Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240



Project Name: Pinestraw CTB  
Workorder: E509282  
Date Received: 9/25/2025 6:00:56AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/25/2025 6:00:56AM, under the Project Name: Pinestraw CTB.

The analytical test results summarized in this report with the Project Name: Pinestraw CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pinestraw CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/01/25 09:05
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E509282-01A	Solid	09/23/25	09/25/25	Glass Jar, 2 oz.
SS01-1'	E509282-02A	Solid	09/23/25	09/25/25	Glass Jar, 2 oz.
SS02-0'	E509282-03A	Solid	09/23/25	09/25/25	Glass Jar, 2 oz.
SS02-1'	E509282-04A	Solid	09/23/25	09/25/25	Glass Jar, 2 oz.
SS06-0'	E509282-05A	Solid	09/23/25	09/25/25	Glass Jar, 2 oz.
SS06-1'	E509282-06A	Solid	09/23/25	09/25/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/1/2025 9:05:07AM

**SS01-0'**

**E509282-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Benzene	ND	0.0250	1	09/25/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/25/25	09/26/25	
Toluene	ND	0.0250	1	09/25/25	09/26/25	
o-Xylene	ND	0.0250	1	09/25/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/25/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/25/25	09/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/25/25	09/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.4 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2540002	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/29/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	09/29/25	09/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2539166	
Chloride	87.0	20.0	1	09/26/25	09/27/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/1/2025 9:05:07AM

SS01-1'

E509282-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Benzene	ND	0.0250	1	09/25/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/25/25	09/26/25	
Toluene	ND	0.0250	1	09/25/25	09/26/25	
o-Xylene	ND	0.0250	1	09/25/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/25/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/25/25	09/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/25/25	09/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.9 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2540002	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/29/25	
<i>Surrogate: n-Nonane</i>						
		100 %	61-141	09/29/25	09/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2539166	
Chloride	81.1	20.0	1	09/26/25	09/27/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/1/2025 9:05:07AM

SS02-0'

E509282-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Benzene	ND	0.0250	1	09/25/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/25/25	09/26/25	
Toluene	ND	0.0250	1	09/25/25	09/26/25	
o-Xylene	ND	0.0250	1	09/25/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/25/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/25/25	09/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/25/25	09/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.7 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2540002	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/30/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	09/29/25	09/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2539166	
Chloride	ND	20.0	1	09/26/25	09/27/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/1/2025 9:05:07AM

SS02-1'

E509282-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Benzene	ND	0.0250	1	09/25/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/25/25	09/26/25	
Toluene	ND	0.0250	1	09/25/25	09/26/25	
o-Xylene	ND	0.0250	1	09/25/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/25/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/25/25	09/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		112 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/25/25	09/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.3 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2540002	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/30/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	09/29/25	09/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2539166	
Chloride	26.7	20.0	1	09/26/25	09/27/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/1/2025 9:05:07AM

SS06-0'

E509282-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Benzene	ND	0.0250	1	09/25/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/25/25	09/26/25	
Toluene	ND	0.0250	1	09/25/25	09/26/25	
o-Xylene	ND	0.0250	1	09/25/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/25/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/25/25	09/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/25/25	09/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.5 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2540002	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/30/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	09/29/25	09/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2539166	
Chloride	24.5	20.0	1	09/26/25	09/27/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/1/2025 9:05:07AM

SS06-1'

E509282-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Benzene	ND	0.0250	1	09/25/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/25/25	09/26/25	
Toluene	ND	0.0250	1	09/25/25	09/26/25	
o-Xylene	ND	0.0250	1	09/25/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/25/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/25/25	09/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2539128	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/25/25	09/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.2 %	70-130	09/25/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2540002	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/30/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	09/29/25	09/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2539166	
Chloride	ND	20.0	1	09/26/25	09/27/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/1/2025 9:05:07AM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2539128-BLK1)

Prepared: 09/25/25 Analyzed: 09/25/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.75		8.00		109	70-130			

## LCS (2539128-BS1)

Prepared: 09/25/25 Analyzed: 09/25/25

Benzene	4.34	0.0250	5.00		86.8	70-130			
Ethylbenzene	4.36	0.0250	5.00		87.3	70-130			
Toluene	4.33	0.0250	5.00		86.7	70-130			
o-Xylene	4.47	0.0250	5.00		89.4	70-130			
p,m-Xylene	8.89	0.0500	10.0		88.9	70-130			
Total Xylenes	13.4	0.0250	15.0		89.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.99		8.00		112	70-130			

## Matrix Spike (2539128-MS1)

Source: E509275-04

Prepared: 09/25/25 Analyzed: 09/25/25

Benzene	4.54	0.0250	5.00	ND	90.7	70-130			
Ethylbenzene	4.56	0.0250	5.00	ND	91.1	70-130			
Toluene	4.52	0.0250	5.00	ND	90.4	70-130			
o-Xylene	4.63	0.0250	5.00	ND	92.6	70-130			
p,m-Xylene	9.25	0.0500	10.0	ND	92.5	70-130			
Total Xylenes	13.9	0.0250	15.0	ND	92.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.84		8.00		110	70-130			

## Matrix Spike Dup (2539128-MSD1)

Source: E509275-04

Prepared: 09/25/25 Analyzed: 09/25/25

Benzene	4.20	0.0250	5.00	ND	84.1	70-130	7.61	27	
Ethylbenzene	4.25	0.0250	5.00	ND	85.0	70-130	6.95	26	
Toluene	4.20	0.0250	5.00	ND	84.0	70-130	7.32	20	
o-Xylene	4.32	0.0250	5.00	ND	86.4	70-130	7.00	25	
p,m-Xylene	8.64	0.0500	10.0	ND	86.4	70-130	6.85	23	
Total Xylenes	13.0	0.0250	15.0	ND	86.4	70-130	6.90	26	
Surrogate: 4-Bromochlorobenzene-PID	8.94		8.00		112	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/1/2025 9:05:07AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539128-BLK1) Prepared: 09/25/25 Analyzed: 09/25/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.5	70-130			

LCS (2539128-BS2) Prepared: 09/25/25 Analyzed: 09/25/25

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			

Matrix Spike (2539128-MS2) Source: E509275-04 Prepared: 09/25/25 Analyzed: 09/25/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.2	70-130			

Matrix Spike Dup (2539128-MSD2) Source: E509275-04 Prepared: 09/25/25 Analyzed: 09/25/25

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.4	70-130	10.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/1/2025 9:05:07AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540002-BLK1)					Prepared: 09/29/25 Analyzed: 09/29/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		93.1	61-141			

LCS (2540002-BS1)					Prepared: 09/29/25 Analyzed: 09/29/25				
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	47.4		50.0		94.8	61-141			

Matrix Spike (2540002-MS1)					Source: E509281-01		Prepared: 09/29/25 Analyzed: 09/29/25		
Diesel Range Organics (C10-C28)	301	25.0	250	ND	120	56-156			
Surrogate: n-Nonane	52.4		50.0		105	61-141			

Matrix Spike Dup (2540002-MSD1)					Source: E509281-01		Prepared: 09/29/25 Analyzed: 09/29/25		
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	56-156	5.38	20	
Surrogate: n-Nonane	49.6		50.0		99.2	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pinestraw CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/1/2025 9:05:07AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539166-BLK1)					Prepared: 09/26/25 Analyzed: 09/27/25				
Chloride	ND	20.0							
LCS (2539166-BS1)					Prepared: 09/26/25 Analyzed: 09/27/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2539166-MS1)					Source: E509281-02		Prepared: 09/26/25 Analyzed: 09/27/25		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2539166-MSD1)					Source: E509281-02		Prepared: 09/26/25 Analyzed: 09/27/25		
Chloride	253	20.0	250	ND	101	80-120	0.118	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Matador Resources, LLC.	Project Name:	Pinestraw CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/01/25 09:05

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Pinestraw CTB				Address: 3122 National Parks Hwy		E 509282	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
0928	9/23/2025	Soil	1	SS01-0'		1								+					
1016				SS01-1'		2								+					
0930				SS02-0'		3								+					
1028				SS02-1'		4								+					
0926				SS06-0'		5								+					
1011				SS06-1'		6								+					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, jmcauley@ensolum.com, eplugge@ensolum.com, usantillana@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Jenna Hinkle																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: 0 / N							
Jenna Hinkle		9/24/2025		7:00		Michelle Gonzales		9-24-25		0700									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Michelle Gonzales		9-24-25		1400		Marissa Gonzales		9-24-25		1400									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Marissa Gonzales		9-24-25		1920		Andrew Musso		9-24-25		1920									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Andrew Musso		9-24-25		2400		Noe Sob		9-25-25		0600									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 9/25/2025 9:22:29AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/25/25 06:00	Work Order ID:	E509282
Phone:	(972) 371-5200	Date Logged In:	09/24/25 15:44	Logged In By:	Joslyn Meidinger
Email:	agiovento@ensolum.com	Due Date:	10/01/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Pinestraw CTB

Work Order: E509292

Job Number: 23003-0002

Received: 9/26/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/2/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/2/25

Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240



Project Name: Pinestraw CTB  
Workorder: E509292  
Date Received: 9/26/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/26/2025 7:00:00AM, under the Project Name: Pinestraw CTB.

The analytical test results summarized in this report with the Project Name: Pinestraw CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pinestraw CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/02/25 09:21
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS03-0'	E509292-01A	Soil	09/24/25	09/26/25	Glass Jar, 2 oz.
SS03-1'	E509292-02A	Soil	09/24/25	09/26/25	Glass Jar, 2 oz.
SS04-0'	E509292-03A	Soil	09/24/25	09/26/25	Glass Jar, 2 oz.
SS04-1'	E509292-04A	Soil	09/24/25	09/26/25	Glass Jar, 2 oz.
SS05-0'	E509292-05A	Soil	09/24/25	09/26/25	Glass Jar, 2 oz.
SS05-1'	E509292-06A	Soil	09/24/25	09/26/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/2/2025 9:21:47AM

**SS03-0'**

**E509292-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2539157
Benzene	ND	0.0250	1	09/26/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/26/25	09/26/25	
Toluene	ND	0.0250	1	09/26/25	09/26/25	
o-Xylene	ND	0.0250	1	09/26/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/26/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/26/25	09/26/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/26/25	09/26/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.6 %	70-130	09/26/25	09/26/25	
<i>Surrogate: Toluene-d8</i>		95.8 %	70-130	09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2539157
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/25	09/26/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/26/25	09/26/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.6 %	70-130	09/26/25	09/26/25	
<i>Surrogate: Toluene-d8</i>		95.8 %	70-130	09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2540003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/29/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	09/29/25	09/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2540013
Chloride	ND	20.0	1	09/29/25	09/29/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/2/2025 9:21:47AM

SS03-1'

E509292-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2539157	
Benzene	ND	0.0250	1	09/26/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/26/25	09/26/25	
Toluene	ND	0.0250	1	09/26/25	09/26/25	
o-Xylene	ND	0.0250	1	09/26/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/26/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/26/25	09/26/25	
Surrogate: Bromofluorobenzene		107 %	70-130	09/26/25	09/26/25	
Surrogate: 1,2-Dichloroethane-d4		89.6 %	70-130	09/26/25	09/26/25	
Surrogate: Toluene-d8		94.0 %	70-130	09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2539157	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/25	09/26/25	
Surrogate: Bromofluorobenzene		107 %	70-130	09/26/25	09/26/25	
Surrogate: 1,2-Dichloroethane-d4		89.6 %	70-130	09/26/25	09/26/25	
Surrogate: Toluene-d8		94.0 %	70-130	09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2540003	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/29/25	
Surrogate: n-Nonane		108 %	61-141	09/29/25	09/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2540013	
Chloride	ND	20.0	1	09/29/25	09/29/25	





## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/2/2025 9:21:47AM

SS04-0'

E509292-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2539157	
Benzene	ND	0.0250	1	09/26/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/26/25	09/26/25	
Toluene	ND	0.0250	1	09/26/25	09/26/25	
o-Xylene	ND	0.0250	1	09/26/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/26/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/26/25	09/26/25	
Surrogate: Bromofluorobenzene	108 %	70-130		09/26/25	09/26/25	
Surrogate: 1,2-Dichloroethane-d4	88.8 %	70-130		09/26/25	09/26/25	
Surrogate: Toluene-d8	95.7 %	70-130		09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2539157	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/25	09/26/25	
Surrogate: Bromofluorobenzene	108 %	70-130		09/26/25	09/26/25	
Surrogate: 1,2-Dichloroethane-d4	88.8 %	70-130		09/26/25	09/26/25	
Surrogate: Toluene-d8	95.7 %	70-130		09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2540003	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/30/25	
Surrogate: n-Nonane	104 %	61-141		09/29/25	09/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2540013	
Chloride	ND	20.0	1	09/29/25	09/29/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/2/2025 9:21:47AM

SS04-1'

E509292-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2539157	
Benzene	ND	0.0250	1	09/26/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/26/25	09/26/25	
Toluene	ND	0.0250	1	09/26/25	09/26/25	
o-Xylene	ND	0.0250	1	09/26/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/26/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/26/25	09/26/25	
Surrogate: Bromofluorobenzene		106 %	70-130	09/26/25	09/26/25	
Surrogate: 1,2-Dichloroethane-d4		85.6 %	70-130	09/26/25	09/26/25	
Surrogate: Toluene-d8		93.9 %	70-130	09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2539157	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/25	09/26/25	
Surrogate: Bromofluorobenzene		106 %	70-130	09/26/25	09/26/25	
Surrogate: 1,2-Dichloroethane-d4		85.6 %	70-130	09/26/25	09/26/25	
Surrogate: Toluene-d8		93.9 %	70-130	09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2540003	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/30/25	
Surrogate: n-Nonane		108 %	61-141	09/29/25	09/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2540013	
Chloride	ND	20.0	1	09/29/25	09/29/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/2/2025 9:21:47AM

SS05-0'

E509292-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2539157	
Benzene	ND	0.0250	1	09/26/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/26/25	09/26/25	
Toluene	ND	0.0250	1	09/26/25	09/26/25	
o-Xylene	ND	0.0250	1	09/26/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/26/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/26/25	09/26/25	
Surrogate: Bromofluorobenzene	105 %	70-130		09/26/25	09/26/25	
Surrogate: 1,2-Dichloroethane-d4	85.4 %	70-130		09/26/25	09/26/25	
Surrogate: Toluene-d8	95.5 %	70-130		09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2539157	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/25	09/26/25	
Surrogate: Bromofluorobenzene	105 %	70-130		09/26/25	09/26/25	
Surrogate: 1,2-Dichloroethane-d4	85.4 %	70-130		09/26/25	09/26/25	
Surrogate: Toluene-d8	95.5 %	70-130		09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2540003	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/30/25	
Surrogate: n-Nonane	103 %	61-141		09/29/25	09/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2540013	
Chloride	ND	20.0	1	09/29/25	09/29/25	



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/2/2025 9:21:47AM

SS05-1'

E509292-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2539157
Benzene	ND	0.0250	1	09/26/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/26/25	09/26/25	
Toluene	ND	0.0250	1	09/26/25	09/26/25	
o-Xylene	ND	0.0250	1	09/26/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/26/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/26/25	09/26/25	
Surrogate: Bromofluorobenzene		103 %	70-130	09/26/25	09/26/25	
Surrogate: 1,2-Dichloroethane-d4		84.9 %	70-130	09/26/25	09/26/25	
Surrogate: Toluene-d8		97.4 %	70-130	09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2539157
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/25	09/26/25	
Surrogate: Bromofluorobenzene		103 %	70-130	09/26/25	09/26/25	
Surrogate: 1,2-Dichloroethane-d4		84.9 %	70-130	09/26/25	09/26/25	
Surrogate: Toluene-d8		97.4 %	70-130	09/26/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2540003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/25	09/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/25	09/30/25	
Surrogate: n-Nonane		103 %	61-141	09/29/25	09/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2540013
Chloride	ND	20.0	1	09/29/25	09/29/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/2/2025 9:21:47AM

## Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2539157-BLK1)

Prepared: 09/26/25 Analyzed: 09/26/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.437		0.500		87.4	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			

## LCS (2539157-BS1)

Prepared: 09/26/25 Analyzed: 09/26/25

Benzene	2.06	0.0250	2.50		82.3	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.3	70-130			
Toluene	2.14	0.0250	2.50		85.4	70-130			
o-Xylene	2.21	0.0250	2.50		88.5	70-130			
p,m-Xylene	4.53	0.0500	5.00		90.6	70-130			
Total Xylenes	6.74	0.0250	7.50		89.9	70-130			
Surrogate: Bromofluorobenzene	0.537		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.8	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

## Matrix Spike (2539157-MS1)

Source: E509292-02

Prepared: 09/26/25 Analyzed: 09/26/25

Benzene	2.31	0.0250	2.50	ND	92.3	48-131			
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135			
Toluene	2.36	0.0250	2.50	ND	94.4	48-130			
o-Xylene	2.50	0.0250	2.50	ND	99.8	43-135			
p,m-Xylene	5.12	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.61	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.441		0.500		88.2	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.6	70-130			

## Matrix Spike Dup (2539157-MSD1)

Source: E509292-02

Prepared: 09/26/25 Analyzed: 09/26/25

Benzene	2.29	0.0250	2.50	ND	91.6	48-131	0.761	23	
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135	0.957	27	
Toluene	2.39	0.0250	2.50	ND	95.6	48-130	1.35	24	
o-Xylene	2.61	0.0250	2.50	ND	104	43-135	4.52	27	
p,m-Xylene	5.33	0.0500	5.00	ND	107	43-135	4.00	27	
Total Xylenes	7.94	0.0250	7.50	ND	106	43-135	4.17	27	
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.444		0.500		88.7	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			





## QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/2/2025 9:21:47AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2539157-BLK1)

Prepared: 09/26/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.437		0.500		87.4	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			

## LCS (2539157-BS2)

Prepared: 09/26/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.7	70-130			
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.431		0.500		86.2	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			

## Matrix Spike (2539157-MS2)

Source: E509292-02

Prepared: 09/26/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130			
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

## Matrix Spike Dup (2539157-MSD2)

Source: E509292-02

Prepared: 09/26/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130	11.6	20	
Surrogate: Bromofluorobenzene	0.541		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.7	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/2/2025 9:21:47AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540003-BLK1)					Prepared: 09/29/25 Analyzed: 09/29/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.8		50.0		95.6	61-141			

LCS (2540003-BS1)					Prepared: 09/29/25 Analyzed: 09/29/25				
Diesel Range Organics (C10-C28)	256	25.0	250		102	66-144			
Surrogate: n-Nonane	49.3		50.0		98.6	61-141			

Matrix Spike (2540003-MS1)					Source: E509292-02		Prepared: 09/29/25 Analyzed: 09/29/25		
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	52.9		50.0		106	61-141			

Matrix Spike Dup (2540003-MSD1)					Source: E509292-02		Prepared: 09/29/25 Analyzed: 09/29/25		
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156	1.93	20	
Surrogate: n-Nonane	52.0		50.0		104	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pinestraw CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/2/2025 9:21:47AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540013-BLK1)						Prepared: 09/29/25 Analyzed: 09/29/25			
Chloride	ND	20.0							
LCS (2540013-BS1)						Prepared: 09/29/25 Analyzed: 09/29/25			
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2540013-MS1)				Source: E509292-03		Prepared: 09/29/25 Analyzed: 09/29/25			
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2540013-MSD1)				Source: E509292-03		Prepared: 09/29/25 Analyzed: 09/29/25			
Chloride	254	20.0	250	ND	102	80-120	0.0606	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Matador Resources, LLC.	Project Name:	Pinestraw CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/02/25 09:21

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>				
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: Pine Straw CTB				Address: 3122 National Parks Hwy				E509		292					x	x				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
<b>Sample Information</b>												<b>Analysis and Method</b>				<b>EPA Program</b>				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp		Remarks	
9:44	9/24/2025	Soil	1	SS03 - 0'			1								x		4.6			
9:47	9/24/2025	Soil	1	SS03 - 1'			2								x		4.0			
9:49	9/24/2025	Soil	1	SS04 - 0'			3								x		4.5			
9:51	9/24/2025	Soil	1	SS04 - 1'			4								x		3.8			
9:54	9/24/2025	Soil	1	SS05 - 0'			5								x		4.3			
9:56	9/24/2025	Soil	1	SS05 - 1'			6								x		5.2			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Israel Estrella																				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N														
<i>[Signature]</i>	9/25/25	7:11	Michelle Gonzales	9-25-25	6711															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Michelle Gonzales	9-25-25	1330	Nathan Isom	9-25-25	1330															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Nathan Isom	9-25-25	1810	Andrew Musso	9-25-25	1810															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Andrew Musso	9-25-25	2300	Caritha Ma	9-26-25	700															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



## Envirotech Analytical Laboratory

Printed: 9/26/2025 8:28:32AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/26/25 07:00	Work Order ID:	E509292
Phone:	(972) 371-5200	Date Logged In:	09/25/25 14:35	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/02/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Pinestraw CTB

Work Order: E509245

Job Number: 23003-0002

Received: 9/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/29/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/29/25

Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240



Project Name: Pinestraw CTB  
Workorder: E509245  
Date Received: 9/23/2025 5:30:10AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2025 5:30:10AM, under the Project Name: Pinestraw CTB.

The analytical test results summarized in this report with the Project Name: Pinestraw CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/29/25 14:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E509245-01A	Soil	09/19/25	09/23/25	Glass Jar, 2 oz.





Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pinestraw CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/29/2025 2:04:12PM
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BH01-0'  
E509245-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2539066	
Benzene	ND	0.0250	1	09/23/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/23/25	09/26/25	
Toluene	ND	0.0250	1	09/23/25	09/26/25	
o-Xylene	ND	0.0250	1	09/23/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/23/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/23/25	09/26/25	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		09/23/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2539066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/25	09/26/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.3 %	70-130		09/23/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2539122	
Diesel Range Organics (C10-C28)	47.4	25.0	1	09/25/25	09/26/25	
Oil Range Organics (C28-C36)	59.2	50.0	1	09/25/25	09/26/25	
Surrogate: n-Nonane	99.2 %	61-141		09/25/25	09/26/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2539142	
Chloride	472	20.0	1	09/25/25	09/26/25	

## QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:04:12PM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2539066-BLK1)

Prepared: 09/23/25 Analyzed: 09/25/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

## LCS (2539066-BS1)

Prepared: 09/23/25 Analyzed: 09/25/25

Benzene	5.63	0.0250	5.00		113	70-130			
Ethylbenzene	5.59	0.0250	5.00		112	70-130			
Toluene	5.60	0.0250	5.00		112	70-130			
o-Xylene	5.53	0.0250	5.00		111	70-130			
p,m-Xylene	11.3	0.0500	10.0		113	70-130			
Total Xylenes	16.8	0.0250	15.0		112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

## Matrix Spike (2539066-MS1)

Source: E509239-09

Prepared: 09/23/25 Analyzed: 09/25/25

Benzene	5.37	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130			
Toluene	5.34	0.0250	5.00	ND	107	70-130			
o-Xylene	5.27	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			

## Matrix Spike Dup (2539066-MSD1)

Source: E509239-09

Prepared: 09/23/25 Analyzed: 09/25/25

Benzene	5.89	0.0250	5.00	ND	118	70-130	9.17	27	
Ethylbenzene	5.85	0.0250	5.00	ND	117	70-130	9.06	26	
Toluene	5.86	0.0250	5.00	ND	117	70-130	9.18	20	
o-Xylene	5.77	0.0250	5.00	ND	115	70-130	8.93	25	
p,m-Xylene	11.8	0.0500	10.0	ND	118	70-130	8.74	23	
Total Xylenes	17.5	0.0250	15.0	ND	117	70-130	8.80	26	
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:04:12PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539066-BLK1) Prepared: 09/23/25 Analyzed: 09/25/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			

LCS (2539066-BS2) Prepared: 09/23/25 Analyzed: 09/25/25

Gasoline Range Organics (C6-C10)	56.9	20.0	50.0		114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

Matrix Spike (2539066-MS2) Source: E509239-09 Prepared: 09/23/25 Analyzed: 09/25/25

Gasoline Range Organics (C6-C10)	59.6	20.0	50.0	ND	119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			

Matrix Spike Dup (2539066-MSD2) Source: E509239-09 Prepared: 09/23/25 Analyzed: 09/25/25

Gasoline Range Organics (C6-C10)	58.3	20.0	50.0	ND	117	70-130	2.17	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:04:12PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2539122-BLK1)</b>					Prepared: 09/25/25 Analyzed: 09/25/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

<b>LCS (2539122-BS1)</b>					Prepared: 09/25/25 Analyzed: 09/25/25				
Diesel Range Organics (C10-C28)	243	25.0	250		97.3	66-144			
Surrogate: n-Nonane	47.9		50.0		95.9	61-141			

<b>Matrix Spike (2539122-MS1)</b>					<b>Source: E509235-04</b>		Prepared: 09/25/25 Analyzed: 09/25/25		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156			
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

<b>Matrix Spike Dup (2539122-MSD1)</b>					<b>Source: E509235-04</b>		Prepared: 09/25/25 Analyzed: 09/25/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	56-156	0.239	20	
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pinestraw CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  9/29/2025 2:04:12PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2539142-BLK1)</b>						Prepared: 09/25/25 Analyzed: 09/26/25			
Chloride	ND	20.0							
<b>LCS (2539142-BS1)</b>						Prepared: 09/25/25 Analyzed: 09/26/25			
Chloride	258	20.0	250		103	90-110			
<b>Matrix Spike (2539142-MS1)</b>				<b>Source: E509242-04</b>		Prepared: 09/25/25 Analyzed: 09/26/25			
Chloride	268	40.0	250	ND	107	80-120			
<b>Matrix Spike Dup (2539142-MSD1)</b>				<b>Source: E509242-04</b>		Prepared: 09/25/25 Analyzed: 09/26/25			
Chloride	267	40.0	250	ND	107	80-120	0.529	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.





Definitions and Notes

Matador Resources, LLC.	Project Name:	Pinestraw CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/29/25 14:04

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Pinestraw CTB				Address: 3122 National Parks Hwy		E509245	23003-0002				x	x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method						EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1330	9/19/2025	Soil	1	BH01-O1		1													
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, jmccauley@ensolum.com, eplugge@ensolum.com, usantillana@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Jenna Hinkle																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N											
Jenna Hinkle		9/22/2025	7:00	Michelle Gonzales		9-22-25	0700												
Michelle Gonzales		9-22-25	1430	Marissa Gonzales		9-22-25	1430												
Marissa Gonzales		9-22-25	1900	Andrew Musso		9-22-25	1900												
Andrew Musso		9-22-25	2400	Noe Soto		9-23-25	0530												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 9/23/2025 10:58:02AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/23/25 05:30	Work Order ID:	E509245
Phone:	(972) 371-5200	Date Logged In:	09/23/25 07:38	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	09/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Comments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Giovengo



5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Pinestraw CTB

Work Order: E509246

Job Number: 23003-0002

Received: 9/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/29/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 9/29/25

Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240



Project Name: Pinestraw CTB  
Workorder: E509246  
Date Received: 9/23/2025 5:30:10AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2025 5:30:10AM, under the Project Name: Pinestraw CTB.

The analytical test results summarized in this report with the Project Name: Pinestraw CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/29/25 14:06

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0.5'	E509246-01A	Soil	09/19/25	09/23/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/29/2025 2:06:25PM

**BH01-0.5'**

**E509246-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2539067	
Benzene	ND	0.0250	1	09/23/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/23/25	09/26/25	
Toluene	ND	0.0250	1	09/23/25	09/26/25	
o-Xylene	ND	0.0250	1	09/23/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/23/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/23/25	09/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.3 %	70-130		09/23/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2539067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/25	09/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.8 %	70-130		09/23/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2539122	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/25/25	09/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/25/25	09/26/25	
<i>Surrogate: n-Nonane</i>	97.0 %	61-141		09/25/25	09/26/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2539142	
Chloride	30.8	20.0	1	09/25/25	09/26/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:06:25PM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2539067-BLK1)

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

## LCS (2539067-BS1)

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.42	0.0250	5.00		108	70-130			
Ethylbenzene	5.32	0.0250	5.00		106	70-130			
Toluene	5.39	0.0250	5.00		108	70-130			
o-Xylene	5.33	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			

## Matrix Spike (2539067-MS1)

Source: E509242-02

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.40	0.0250	5.00	ND	108	70-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	70-130			
Toluene	5.37	0.0250	5.00	ND	107	70-130			
o-Xylene	5.30	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			

## Matrix Spike Dup (2539067-MSD1)

Source: E509242-02

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.58	0.0250	5.00	ND	112	70-130	3.25	27	
Ethylbenzene	5.50	0.0250	5.00	ND	110	70-130	3.87	26	
Toluene	5.55	0.0250	5.00	ND	111	70-130	3.44	20	
o-Xylene	5.51	0.0250	5.00	ND	110	70-130	3.87	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	3.93	23	
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130	3.91	26	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:06:25PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2539067-BLK1)

Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

## LCS (2539067-BS2)

Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

## Matrix Spike (2539067-MS2)

Source: E509242-02

Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

## Matrix Spike Dup (2539067-MSD2)

Source: E509242-02

Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130	1.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:06:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539122-BLK1)					Prepared: 09/25/25 Analyzed: 09/25/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

LCS (2539122-BS1)					Prepared: 09/25/25 Analyzed: 09/25/25				
Diesel Range Organics (C10-C28)	243	25.0	250		97.3	66-144			
Surrogate: n-Nonane	47.9		50.0		95.9	61-141			

Matrix Spike (2539122-MS1)					Source: E509235-04		Prepared: 09/25/25 Analyzed: 09/25/25		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156			
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

Matrix Spike Dup (2539122-MSD1)					Source: E509235-04		Prepared: 09/25/25 Analyzed: 09/25/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	56-156	0.239	20	
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			





QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pinestraw CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  9/29/2025 2:06:25PM
---	---	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539142-BLK1)					Prepared: 09/25/25 Analyzed: 09/26/25				
Chloride	ND	20.0							
LCS (2539142-BS1)					Prepared: 09/25/25 Analyzed: 09/26/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2539142-MS1)					Source: E509242-04		Prepared: 09/25/25 Analyzed: 09/26/25		
Chloride	268	40.0	250	ND	107	80-120			
Matrix Spike Dup (2539142-MSD1)					Source: E509242-04		Prepared: 09/25/25 Analyzed: 09/26/25		
Chloride	267	40.0	250	ND	107	80-120	0.529	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Matador Resources, LLC.	Project Name:	Pinestraw CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/29/25 14:06

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Pinestraw CTB				Address: 3122 National Parks Hwy		E509246	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1335	9/22/25	Soil	1	BH01-0.5'		1													
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, jmccauley@ensolum.com, eplugge@ensolum.com, usantillana@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Jenna Hinkle																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N											
Jenna Hinkle		9/22/25	7:00	Michelle Gonzales		9-22-25	0700												
Michelle Gonzales		9-22-25	1430	Marissa Gonzales		9-22-25	1430												
Marissa Gonzales		9-22-25	1900	Andrew Musso		9-22-25	1900												
Andrew Musso		9-22-25	2400	Noe Soto		9-23-25	0530												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 9/23/2025 11:00:08AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/23/25 05:30	Work Order ID:	E509246
Phone:	(972) 371-5200	Date Logged In:	09/23/25 07:40	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	09/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Pinestraw CTB

Work Order: E509248

Job Number: 23003-0002

Received: 9/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/29/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/29/25

Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240



Project Name: Pinestraw CTB  
Workorder: E509248  
Date Received: 9/23/2025 5:30:10AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2025 5:30:10AM, under the Project Name: Pinestraw CTB.

The analytical test results summarized in this report with the Project Name: Pinestraw CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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**Southern New Mexico Area**

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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/29/25 14:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-0'	E509248-01A	Soil	09/19/25	09/23/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/29/2025 2:08:38PM

**BH02-0'**

**E509248-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2539067	
Benzene	ND	0.0250	1	09/23/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/23/25	09/26/25	
Toluene	ND	0.0250	1	09/23/25	09/26/25	
o-Xylene	ND	0.0250	1	09/23/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/23/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/23/25	09/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/23/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2539067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/25	09/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	09/23/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2539122	
Diesel Range Organics (C10-C28)	3920	50.0	2	09/25/25	09/26/25	
Oil Range Organics (C28-C36)	4400	100	2	09/25/25	09/26/25	
<i>Surrogate: n-Nonane</i>		95.1 %	61-141	09/25/25	09/26/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2539142	
Chloride	34.2	20.0	1	09/25/25	09/26/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:08:38PM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2539067-BLK1)

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

## LCS (2539067-BS1)

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.42	0.0250	5.00		108	70-130			
Ethylbenzene	5.32	0.0250	5.00		106	70-130			
Toluene	5.39	0.0250	5.00		108	70-130			
o-Xylene	5.33	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			

## Matrix Spike (2539067-MS1)

Source: E509242-02

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.40	0.0250	5.00	ND	108	70-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	70-130			
Toluene	5.37	0.0250	5.00	ND	107	70-130			
o-Xylene	5.30	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			

## Matrix Spike Dup (2539067-MSD1)

Source: E509242-02

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.58	0.0250	5.00	ND	112	70-130	3.25	27	
Ethylbenzene	5.50	0.0250	5.00	ND	110	70-130	3.87	26	
Toluene	5.55	0.0250	5.00	ND	111	70-130	3.44	20	
o-Xylene	5.51	0.0250	5.00	ND	110	70-130	3.87	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	3.93	23	
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130	3.91	26	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:08:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539067-BLK1) Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

LCS (2539067-BS2) Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

Matrix Spike (2539067-MS2) Source: E509242-02 Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2539067-MSD2) Source: E509242-02 Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130	1.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:08:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539122-BLK1)					Prepared: 09/25/25 Analyzed: 09/25/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

LCS (2539122-BS1)					Prepared: 09/25/25 Analyzed: 09/25/25				
Diesel Range Organics (C10-C28)	243	25.0	250		97.3	66-144			
Surrogate: n-Nonane	47.9		50.0		95.9	61-141			

Matrix Spike (2539122-MS1)					Source: E509235-04		Prepared: 09/25/25 Analyzed: 09/25/25		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156			
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

Matrix Spike Dup (2539122-MSD1)					Source: E509235-04		Prepared: 09/25/25 Analyzed: 09/25/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	56-156	0.239	20	
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			





QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pinestraw CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  9/29/2025 2:08:38PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539142-BLK1)					Prepared: 09/25/25 Analyzed: 09/26/25				
Chloride	ND	20.0							
LCS (2539142-BS1)					Prepared: 09/25/25 Analyzed: 09/26/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2539142-MS1)					Source: E509242-04		Prepared: 09/25/25 Analyzed: 09/26/25		
Chloride	268	40.0	250	ND	107	80-120			
Matrix Spike Dup (2539142-MSD1)					Source: E509242-04		Prepared: 09/25/25 Analyzed: 09/26/25		
Chloride	267	40.0	250	ND	107	80-120	0.529	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Matador Resources, LLC.	Project Name:	Pinestraw CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/29/25 14:08

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>							
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# E509248				Job Number 23223-0002				1D 2D 3D Std							
Project Name: Pinestraw CTB				Address: 3122 National Parks Hwy												NM CO UT TX							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220												x							
Address: 3122 National Parks Hwy				Phone: 575-988-0055																			
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																			
Phone: 575-988-0055				Miscellaneous:																			
Email: agiovengo@ensolum.com																							
<b>Sample Information</b>												<b>Analysis and Method</b>								<b>EPA Program</b>			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA				
1427	9/16/25	Soil	1	BH02-O			1																
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, jmccauley@ensolum.com, eplugge@ensolum.com, usantillana@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Jenna Turkle																							
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.  Lab Use Only Received on ice: Y/N							
Jenna Turkle				9/22/25		7:00		Michelle Gonzales				9-22-25		0700									
Michelle Gonzales				9-22-25		1430		Marissa Gonzales				9-22-25		1430									
Marissa Gonzales				9-22-25		1900		Andrew Musso				9-22-25		1900									
Andrew Musso				9-22-25		2400		No. Sub				9-23-25		0530									
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

## Envirotech Analytical Laboratory

Printed: 9/23/2025 11:13:54AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/23/25 05:30	Work Order ID:	E509248
Phone:	(972) 371-5200	Date Logged In:	09/23/25 07:45	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	09/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Pinestraw CTB

Work Order: E509249

Job Number: 23003-0002

Received: 9/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/29/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/29/25

Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240



Project Name: Pinestraw CTB  
Workorder: E509249  
Date Received: 9/23/2025 5:30:10AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2025 5:30:10AM, under the Project Name: Pinestraw CTB.

The analytical test results summarized in this report with the Project Name: Pinestraw CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/29/25 14:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-0.5'	E509249-01A	Soil	09/19/25	09/23/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/29/2025 2:39:14PM

**BH02-0.5'**

**E509249-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2539067	
Benzene	ND	0.0250	1	09/23/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/23/25	09/26/25	
Toluene	ND	0.0250	1	09/23/25	09/26/25	
o-Xylene	ND	0.0250	1	09/23/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/23/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/23/25	09/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.6 %	70-130	09/23/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2539067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/25	09/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	09/23/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2539122	
Diesel Range Organics (C10-C28)	105	25.0	1	09/25/25	09/29/25	
Oil Range Organics (C28-C36)	86.0	50.0	1	09/25/25	09/29/25	
<i>Surrogate: n-Nonane</i>		95.4 %	61-141	09/25/25	09/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2539142	
Chloride	25.9	20.0	1	09/25/25	09/26/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:39:14PM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2539067-BLK1)

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

## LCS (2539067-BS1)

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.42	0.0250	5.00		108	70-130			
Ethylbenzene	5.32	0.0250	5.00		106	70-130			
Toluene	5.39	0.0250	5.00		108	70-130			
o-Xylene	5.33	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			

## Matrix Spike (2539067-MS1)

Source: E509242-02

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.40	0.0250	5.00	ND	108	70-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	70-130			
Toluene	5.37	0.0250	5.00	ND	107	70-130			
o-Xylene	5.30	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			

## Matrix Spike Dup (2539067-MSD1)

Source: E509242-02

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.58	0.0250	5.00	ND	112	70-130	3.25	27	
Ethylbenzene	5.50	0.0250	5.00	ND	110	70-130	3.87	26	
Toluene	5.55	0.0250	5.00	ND	111	70-130	3.44	20	
o-Xylene	5.51	0.0250	5.00	ND	110	70-130	3.87	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	3.93	23	
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130	3.91	26	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:39:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539067-BLK1) Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

LCS (2539067-BS2) Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

Matrix Spike (2539067-MS2) Source: E509242-02 Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2539067-MSD2) Source: E509242-02 Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130	1.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 2:39:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539122-BLK1) Prepared: 09/25/25 Analyzed: 09/25/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

LCS (2539122-BS1) Prepared: 09/25/25 Analyzed: 09/25/25

Diesel Range Organics (C10-C28)	243	25.0	250		97.3	66-144			
Surrogate: n-Nonane	47.9		50.0		95.9	61-141			

Matrix Spike (2539122-MS1) Source: E509235-04 Prepared: 09/25/25 Analyzed: 09/25/25

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156			
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

Matrix Spike Dup (2539122-MSD1) Source: E509235-04 Prepared: 09/25/25 Analyzed: 09/25/25

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	56-156	0.239	20	
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			





QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Pinestraw CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  9/29/2025 2:39:14PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539142-BLK1)					Prepared: 09/25/25 Analyzed: 09/26/25				
Chloride	ND	20.0							
LCS (2539142-BS1)					Prepared: 09/25/25 Analyzed: 09/26/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2539142-MS1)					Source: E509242-04		Prepared: 09/25/25 Analyzed: 09/26/25		
Chloride	268	40.0	250	ND	107	80-120			
Matrix Spike Dup (2539142-MSD1)					Source: E509242-04		Prepared: 09/25/25 Analyzed: 09/26/25		
Chloride	267	40.0	250	ND	107	80-120	0.529	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Matador Resources, LLC.	Project Name:	Pinestraw CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/29/25 14:39

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Pinestraw CTB				Address: 3122 National Parks Hwy		ES09249	23003-0002				x	x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1430	9/22/2025	Soil	1	BH02-0.5'		1													
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, jmccauley@ensolum.com, eplugge@ensolum.com, usantillana@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Jenna Twinkle																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. <b>Lab Use Only</b> Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N											
Jenna Twinkle		9/22/2025	7:00	Michelle Gonzales		9-22-25	0700												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Michelle Gonzales		9-22-25	1430	Marissa Gonzales		9-22-25	1430												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Marissa Gonzales		9-22-25	1900	Andrew Musso		9-22-25	1900												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Andrew Musso		9-22-25	2400	Noe Sal		9-23-25	0530												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 9/23/2025 11:21:21AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/23/25 05:30	Work Order ID:	E509249
Phone:	(972) 371-5200	Date Logged In:	09/23/25 07:46	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	09/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Pinestraw CTB

Work Order: E509250

Job Number: 23003-0002

Received: 9/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/29/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/29/25

Ashley Giovengo  
5400 LBJ Freeway, Suite 1500  
Dallas, TX 75240



Project Name: Pinestraw CTB  
Workorder: E509250  
Date Received: 9/23/2025 5:30:10AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2025 5:30:10AM, under the Project Name: Pinestraw CTB.

The analytical test results summarized in this report with the Project Name: Pinestraw CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/29/25 13:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-1'	E509250-01A	Soil	09/19/25	09/23/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC.  
5400 LBJ Freeway, Suite 1500  
Dallas TX, 75240

Project Name: Pinestraw CTB  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/29/2025 1:22:15PM

**BH02-1'**

**E509250-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2539067	
Benzene	ND	0.0250	1	09/23/25	09/26/25	
Ethylbenzene	ND	0.0250	1	09/23/25	09/26/25	
Toluene	ND	0.0250	1	09/23/25	09/26/25	
o-Xylene	ND	0.0250	1	09/23/25	09/26/25	
p,m-Xylene	ND	0.0500	1	09/23/25	09/26/25	
Total Xylenes	ND	0.0250	1	09/23/25	09/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	70-130		09/23/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2539067	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/25	09/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.9 %	70-130		09/23/25	09/26/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2539122	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/25/25	09/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/25/25	09/26/25	
<i>Surrogate: n-Nonane</i>	97.0 %	61-141		09/25/25	09/26/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2539143	
Chloride	ND	20.0	1	09/25/25	09/26/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 1:22:15PM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2539067-BLK1)

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

## LCS (2539067-BS1)

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.42	0.0250	5.00		108	70-130			
Ethylbenzene	5.32	0.0250	5.00		106	70-130			
Toluene	5.39	0.0250	5.00		108	70-130			
o-Xylene	5.33	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			

## Matrix Spike (2539067-MS1)

Source: E509242-02

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.40	0.0250	5.00	ND	108	70-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	70-130			
Toluene	5.37	0.0250	5.00	ND	107	70-130			
o-Xylene	5.30	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			

## Matrix Spike Dup (2539067-MSD1)

Source: E509242-02

Prepared: 09/23/25 Analyzed: 09/26/25

Benzene	5.58	0.0250	5.00	ND	112	70-130	3.25	27	
Ethylbenzene	5.50	0.0250	5.00	ND	110	70-130	3.87	26	
Toluene	5.55	0.0250	5.00	ND	111	70-130	3.44	20	
o-Xylene	5.51	0.0250	5.00	ND	110	70-130	3.87	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	3.93	23	
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130	3.91	26	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 1:22:15PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539067-BLK1) Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

LCS (2539067-BS2) Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

Matrix Spike (2539067-MS2) Source: E509242-02 Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2539067-MSD2) Source: E509242-02 Prepared: 09/23/25 Analyzed: 09/26/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130	1.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 1:22:15PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539122-BLK1)					Prepared: 09/25/25 Analyzed: 09/25/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

LCS (2539122-BS1)					Prepared: 09/25/25 Analyzed: 09/25/25				
Diesel Range Organics (C10-C28)	243	25.0	250		97.3	66-144			
Surrogate: n-Nonane	47.9		50.0		95.9	61-141			

Matrix Spike (2539122-MS1)					Source: E509235-04		Prepared: 09/25/25 Analyzed: 09/25/25		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156			
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

Matrix Spike Dup (2539122-MSD1)					Source: E509235-04		Prepared: 09/25/25 Analyzed: 09/25/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	56-156	0.239	20	
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			





QC Summary Data

Matador Resources, LLC.	Project Name:	Pinestraw CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/29/2025 1:22:15PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539143-BLK1)					Prepared: 09/25/25 Analyzed: 09/25/25				
Chloride	ND	20.0							
LCS (2539143-BS1)					Prepared: 09/25/25 Analyzed: 09/25/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2539143-MS1)					Source: E509244-24		Prepared: 09/25/25 Analyzed: 09/25/25		
Chloride	266	20.0	250	ND	106	80-120			
Matrix Spike Dup (2539143-MSD1)					Source: E509244-24		Prepared: 09/25/25 Analyzed: 09/25/25		
Chloride	269	20.0	250	ND	107	80-120	1.13	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Matador Resources, LLC.	Project Name:	Pinestraw CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/29/25 13:22

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information				Invoice Information				Lab Use Only				TAT				State											
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#				Job Number				1D 2D 3D Std											
Project Name: Pinestraw CTB				Address: 3122 National Parks Hwy				E 509250				23003-0002				x											
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																							
Address: 3122 National Parks Hwy				Phone: 575-988-0055																							
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																							
Phone: 575-988-0055				Miscellaneous:																							
Email: agiovengo@ensolum.com																											
Sample Information												Analysis and Method												EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA									
1432	9/18/25	Soil	1	BH02-1		1								+		1.5											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, jmccauley@ensolum.com, eplugge@ensolum.com, usantillana@ensolum.com																											
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																											
Sampled by: Jenna Hinkle																											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.															
Jenna Hinkle		9/22/2025		7:00		Michelle Gonzales		9-22-25		0700																	
Michelle Gonzales		9-22-25		1430		Marissa Gonzales		9-22-25		1430																	
Marissa Gonzales		9-22-25		1900		Andrew Musso		9-22-25		1900																	
Andrew Musso		9-22-25		2400		Noe Sato		9-23-25		0530																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only															
												Received on ice:															
												(Y) N															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																											

## Envirotech Analytical Laboratory

Printed: 9/23/2025 11:20:45AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	09/23/25 05:30	Work Order ID:	E509250
Phone:	(972) 371-5200	Date Logged In:	09/23/25 07:47	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	09/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



## APPENDIX E

### NMOCD Correspondence

---

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 503525

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 503525
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Location of Release Source</b> <i>Please answer all the questions in this group.</i>	
Site Name	Pinestraw CTB
Date Release Discovered	09/06/2025
Surface Owner	Private

<b>Incident Details</b> <i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b> <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Production Tank   Crude Oil   Released: 60 BBL   Recovered: 60 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 503525

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 503525
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

Sante Fe Main Office  
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ACKNOWLEDGMENTS

Action 503525

**ACKNOWLEDGMENTS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 503525
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS

Action 503525

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 503525
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	9/6/2025

Pooled Fluids on the Surface										
	Length (ft.)	Width (ft.)	Depth (in)	# of Boundaries <i>*edges of pool where depth is 0. don't count shared boundaries</i>	Oil-Water Ratio (%)	Pooled Area (ft²)	Estimated Average Depth (ft.)	Pooled Volume (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)
Rectangle A	92.2	92.2	1.9	4.0	0.01	8500.8	0.0	59.9	0.00	0.00
Rectangle B					0.01	0.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle C						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total Volume (bbls):								59.90	0.00	0.00

Subsurface Fluids										
	Length (ft.)	Width (ft.)	Depth (in.)	Saturation (%) *10% in consolidated sediments after rain to 50% in sand with no precipitation	Oil-Water Ratio (%)	Area (ft²)	Volume (bbl.)	Estimated Volume in Subsurface (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)

<b>TOTAL RELEASE VOLUME (bbls):</b>	<b>59.9</b>
-------------------------------------	-------------

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QUESTIONS

Action 504260

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504260
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2524955152
Incident Name	NAPP2524955152 PINESTRAW CTB @ H-05-25S-36E
Incident Type	Oil Release
Incident Status	Initial C-141 Received

**Location of Release Source***Please answer all the questions in this group.*

Site Name	Pinestraw CTB
Date Release Discovered	09/06/2025
Surface Owner	Private

**Incident Details***Please answer all the questions in this group.*

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

**Nature and Volume of Release***Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Production Tank   Crude Oil   Released: 60 BBL   Recovered: 60 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 504260

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504260
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/09/2025
--	--



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QUESTIONS, Page 3

Action 504260

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504260
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

Action 504260

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504260
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	9/9/2025

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QUESTIONS

Action 506531

## QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 506531
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

## QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2524955152
Incident Name	NAPP2524955152 PINESTRAW CTB @ H-05-25S-36E
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Pinestraw CTB
Date Release Discovered	09/06/2025
Surface Owner	Private

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	15,946
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	09/19/2025
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Tank Containment
Please provide any information necessary for navigation to liner inspection site	32.16488,-103.28793

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CONDITIONS

Action 506531

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 506531
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	9/17/2025

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QUESTIONS

Action 518393

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 518393
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2524955152
Incident Name	NAPP2524955152 PINESTRAW CTB @ H-05-25S-36E
Incident Type	Oil Release
Incident Status	Deferral Request Received

**Location of Release Source***Please answer all the questions in this group.*

Site Name	Pinestraw CTB
Date Release Discovered	09/06/2025
Surface Owner	Private

**Incident Details***Please answer all the questions in this group.*

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

**Nature and Volume of Release***Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Production Tank   Crude Oil   Released: 60 BBL   Recovered: 60 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 518393

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 518393
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 10/21/2025
--	--

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QUESTIONS, Page 3

Action 518393

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 518393
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	472
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8320
GRO+DRO (EPA SW-846 Method 8015M)	3920
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	09/19/2025
On what date will (or did) the final sampling or liner inspection occur	09/24/2025
On what date will (or was) the remediation complete(d)	09/25/2025
What is the estimated surface area (in square feet) that will be reclaimed	7461
What is the estimated volume (in cubic yards) that will be reclaimed	276
What is the estimated surface area (in square feet) that will be remediated	7461
What is the estimated volume (in cubic yards) that will be remediated	276
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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QUESTIONS, Page 4

Action 518393

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 518393
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	<b>Yes</b>
Which OCD approved facility will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	<b>Yes</b>
What is the name of the NMED facility	Northern Delaware Basin landfill
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<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: Jason Touchet Title: EHS Field Rep Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 10/21/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 5

Action 518393

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 518393
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<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	Tank containment for Produce Water and Oil storage tanks
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	7461
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	276
<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	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-50459 PINE STRAW 25 36 05 FEDERAL COM #103H
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: Jason Touchet Title: EHS Field Rep Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 10/21/2025

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Action 518393

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 518393
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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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Santa Fe, NM 87505

CONDITIONS

Action 518393

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 518393
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	12/18/2025