

July 7, 2025

**New Mexico Energy Minerals and Natural Resources Department** 

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

Re: Closure Request

**Woolhead CTB** 

Incident Number nAPP2500853952

Lea County, New Mexico

#### To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Woolhead CTB (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following an equipment failure. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2500853952.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 20, Township 21 South, Range 33 East, in Lea County, New Mexico (32.45841°, -103.59156°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On January 8, 2025, corrosion on a water transfer pipeline riser caused a leak resulting in 76 barrels (bbls) of produced water to be released on to the well pad and the adjacent pipeline right-of-way, 60 bbls of produced water were recovered. Matador submitted a Release Notification Form C-141 (C-141) on January 9, 2025. The Form C-141 can be referenced on the New Mexico Oil Conservation Division (NMOCD) Portal.

#### 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). Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is the New Mexico Office of the State Engineer (NMOSE) well CP-1880 POD1, located approximately 608 feet east of the Site. The well had a reported depth to groundwater greater than 110 feet below ground surface (bgs) and has since been plugged and abandoned following the depth to water measurement. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or

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vegetation to suggest the Site is conducive to shallower 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 a freshwater pond, located approximately 2,970 feet northeast 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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the off-pad area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

#### **CULTURAL AND BIOLOGICAL REVIEW**

The release remained on pad and within an existing pipeline right-of-way and as such, an assessment(s) of cultural properties had already been completed prior to the construction of the well pad and right-of-way. Therefore, the Cultural Properties Protection Rule (CPP) has been followed. No additional cultural resource surveys were completed in connection with this release.

The Site is not located within the historical range of the Lesser Prairie Chicken (LPC) but is located within an NMSLO Candidate Conservation Agreement with Assurances (CCAA) area. The Site is not located within the range of the Dunes Sagebrush Lizard. No suitable habitat was identified at the Site. A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical wildlife habitats at the Site. Threatened or endangered bird species (LPC or others) are potentially present in the area near the Site. No native vegetation/habitat outside of the well pad extent will be disturbed during excavation activities. The Site area is greater than 1,000 feet to surface water, wetlands, or other sensitive receptors.

#### SITE ASSESSMENT AND DELINEATION ACTIVITIES

On January 8, January 11, February 4, February 24, and March 14, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Preliminary soil samples SS01 through SS04 were collected at ground surface to assess the lateral extent of the release area. Two boreholes, BH01 and BH02, were advanced within the release extent to assess the vertical extent of impacted soil; borehole BH01 was advanced to a depth of 60 feet bgs and borehole BH02 was advanced to a depth of 5 feet bgs.



The preliminary soil samples and boreholes were field screened for chloride and TPH utilizing Hatch® QuanTab® chloride test strips and a PetroFLAG® Soil Analyzer System, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and 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 from delineation and excavation activities can be referenced in the Photolog in Appendix C.

The 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 and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals 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.

#### **EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES**

Beginning on May 7, 2025, impacted and waste containing soil was excavated from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a hydrovac, skid steer, and hand digging crew. To direct excavation activities, Ensolum personnel screened soil for chloride and TPH utilizing the processes described above.

Following the removal of impacted and waste containing soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS07 were collected from the floor of the excavation at depths ranging from of 0.5 feet to 4 feet bgs. Composite soil sample SW01 was collected from the excavation sidewalls, in the off pad excavation portion, ranging in depth from the ground surface to 4 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 1,306 square feet. A total of approximately 56 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Disposal in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01A through SS04 indicated all COCs were in compliance with the strictest Closure Criteria at ground surface and preliminary soil sample SS01 was in compliance with the Site Closure Criteria. Laboratory analytical results for boreholes BH01 and BH02 indicated all COCs were in compliance with the Site Closure Criteria per NMOCD Table I at ground surface and in compliance with the reclamation requirement at 4 feet bgs.

Laboratory analytical results for excavation floor soil samples FS02 through FS07 indicated all COC concentrations were compliant with the Site Closure Criteria per NMOCD Table I at depths of 0.5 feet bgs and excavation floor sample FS01 was compliant with the Site Closure Criteria per NMOCD Table I and the reclamation requirement at a depth of 4 feet bgs. Laboratory analytical results for excavation sidewall soil sample SW01 indicated all COC concentrations were compliant with the strictest Site Closure Criteria per NMOCD Table I at depths ranging from ground surface to 4 feet bgs. Laboratory



analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included as Appendix D.

#### **RECLAMATION PLAN**

Portions of the release occurred off pad in the adjacent pipeline right-of-way, and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH were applied to the top 4 feet of the subsurface that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan proposes reclamation of the excavated area:

- The excavation will be backfilled with locally sourced caliche and topsoil to match surrounding grade. Approximately 1-foot of topsoil will be placed on top of the caliche to support vegetative growth within the disturbed area;
- Soil in the vicinity of the release includes: Kermit soils and Dune Land, 0 to 12 percent slopes and Pyote soils and Dune land, 0 to 3 percent slopes according to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey completed on November 27, 2023;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the NMSLO to meet reclamation standards for this region, which will be: NMSLO Blow Sand (BS) Mixture;
- The seed mixture will be distributed with either a push broadcaster seed spreader, tractor operated broadcast seed spreader, drill seeding, or other means;
- Application of the seed mixture will be at a coverage of 10 pounds of seeds per acre of reclaimed
  pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture
  with distribution by a broadcast method;
- Erosion control management is not anticipated, but if needed, will potentially include:
  - The placement of waddles in areas with a propensity for high run off rates;
  - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
  - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Seeding is anticipated to be completed in the Spring when temperatures and precipitation is most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost. NMSLO has recognized the optimal time to seed is between July and early September, which will be adhered to for this Site;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent
  with local natural vegetation density. The Site will be inspected the following Fall to assess the
  success of regrowth. If necessary, an additional application of the NMSLO-approved pure live
  seed mixture will be applied as well as any needed BMPs will be installed to support growth and
  limit erosion:
- Upon completion of revegetation, a copy of the C-103 submitted to NMOCD will also be submitted to NMSLO for final inspection and release.

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#### **CLOSURE REQUEST**

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01A through SS04, collected at ground surface, and vertically defined by borehole BH01, collected at a depth of 60 feet bgs. Excavation of impacted and waste containing soil was completed, and excavation floor samples FS01 through FS07, collected at depths ranging from 0.5 feet to 4 feet bgs, were all in compliance with the Site Closure Criteria. Excavation sidewall sample SW01, collected from ground surface to 4 feet bgs, was all in compliance with the strictest Closure Criteria.

Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2500853952.

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

Sincerely, **Ensolum**, **LLC** 

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

cc: Matador

#### **Appendices:**

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations Figure 3 Excavation Soil Sample Locations

Table 1 Soil Sample Analytical Results (Delineation Soil Samples)
Tabe 2 Soil Sample Analytical Results (Excavation Soil Samples)

Appendix A Referenced Well Records

Appendix B Lithologic / Soil Sampling Logs

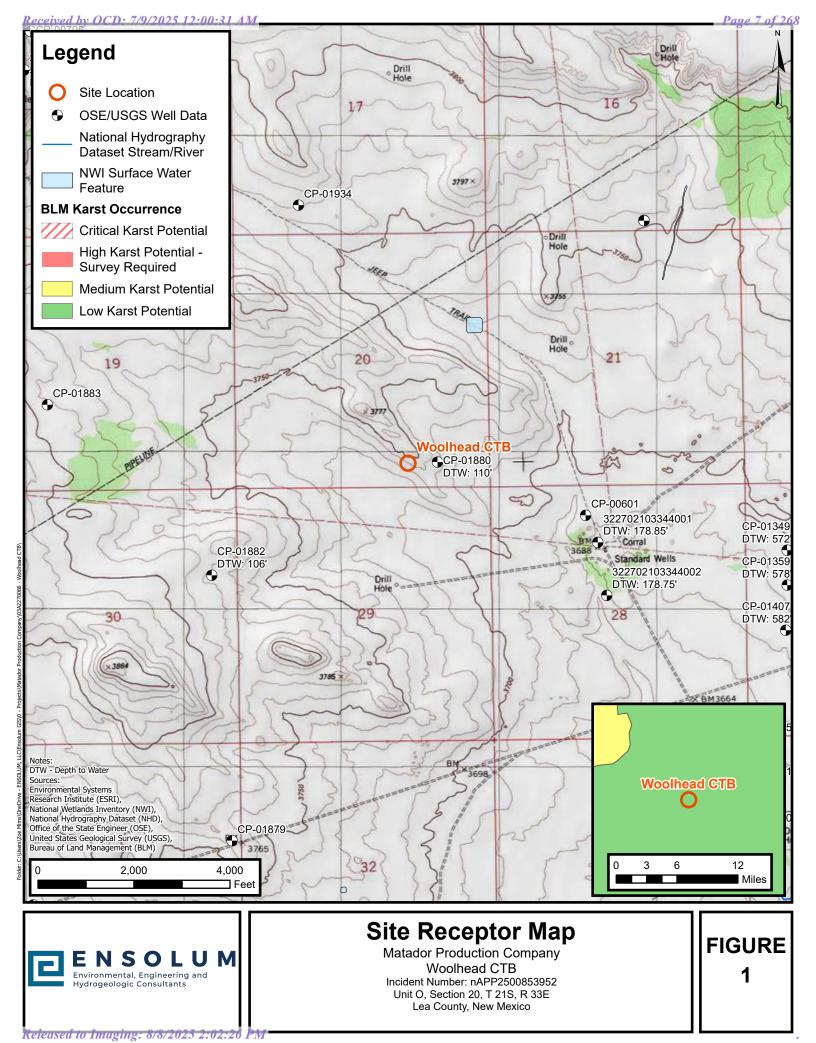
Appendix C Photographic Log

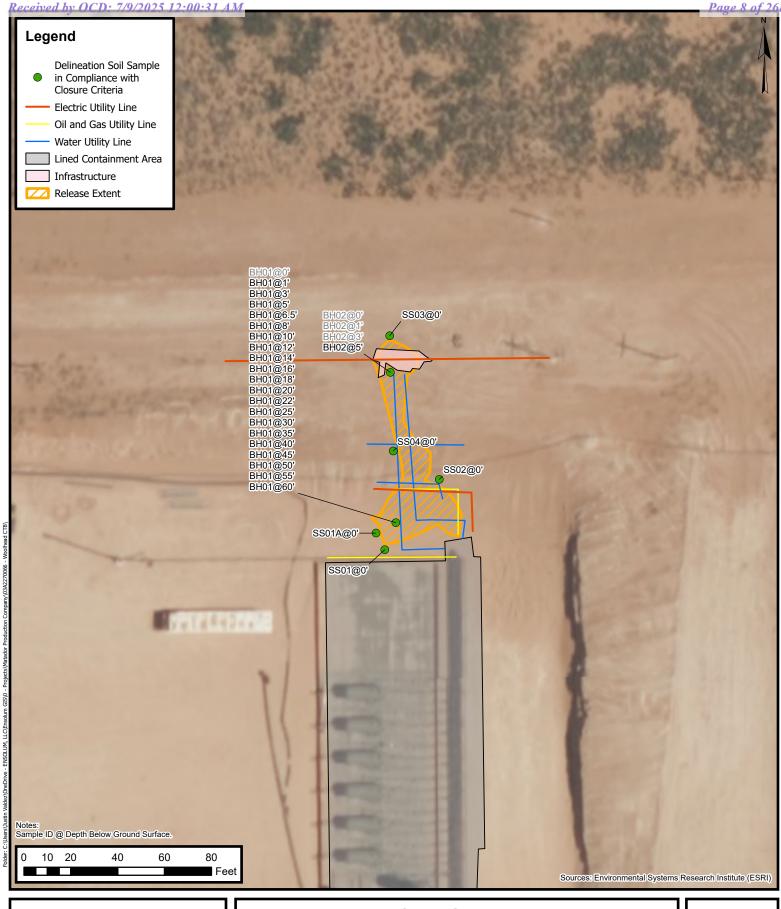
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E NMOCD Notifications



**FIGURES** 

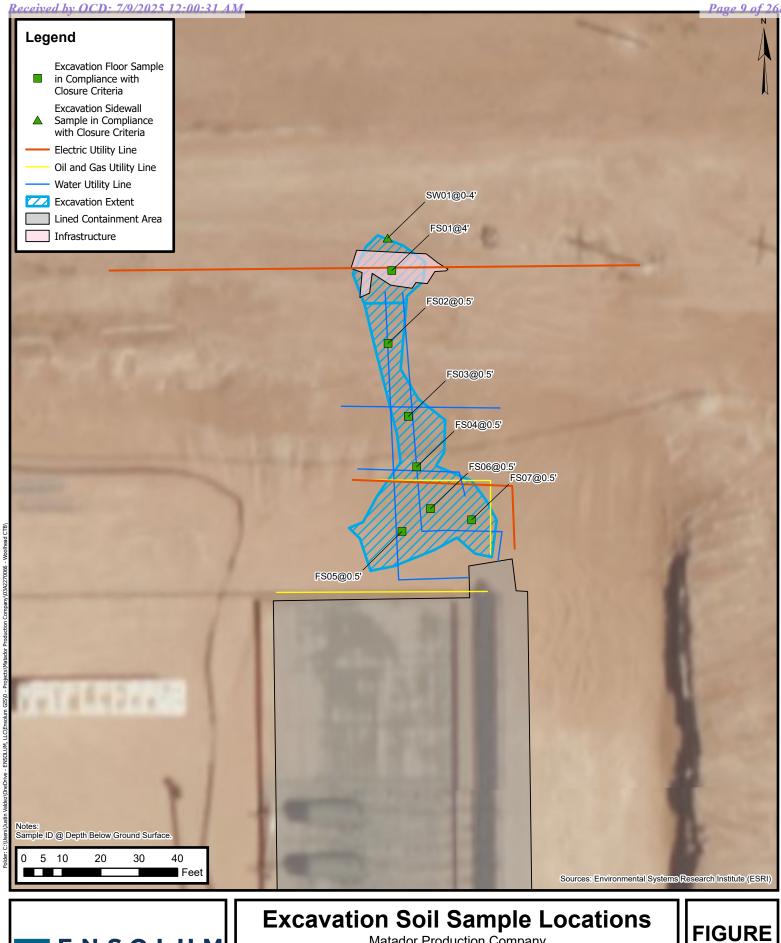






## **Delineation Soil Sample Locations**

Matador Production Company Woolhead CTB Incident Number: nAPP2500853952 Unit O, Section 20, T 21S, R 33E Lea County, New Mexico FIGURE 2



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Environmental, Engineering and Hydrogeologic Consultants Matador Production Company Woolhead CTB Incident Number: nAPP2500853952 Unit O, Section 20, T 21S, R 33E Lea County, New Mexico FIGURE 3



**TABLES** 



### TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS Woolhead 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)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
				Delin	eation Soil Sar	nples						
SS01	1/8/2025	0	<0.0250	<0.0500	<20.0	35.5	68.0	35.5	103.5	<20.0		
SS01A	1/14/2025	0	<0.0250	<0.0500	<20.0	28.1	<25.0	28.1	28.1	37.6		
SS02	1/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
SS03	1/8/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	161		
SS04	1/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.7		
BH01	1/14/2025	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,660		
BH01	1/14/2025	1	<0.0250	<0.0500	<20.0	27.4	<50.0	27.4	27.4	7,720		
BH01	1/14/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,690		
BH01	1/14/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,280		
BH01	1/14/2025	6.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,860		
BH01	2/4/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,090		
BH01	2/4/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,300		
BH01	2/4/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,920		
BH01	2/4/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,200		
BH01	2/4/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,620		
BH01	2/24/2025	18	<0.0250	<0.0500	<20.0	56.5	50.4	56.5	106.9	613		
BH01	2/24/2025	20	<0.0250	<0.0500	<20.0	59.1	<50.0	59.1	59.1	2,610		
BH01	2/24/2025	22	<0.0250	<0.0500	<20.0	42.6	<50.0	42.6	42.6	3,020		
BH01	3/14/2025	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,470		
BH01	3/14/2025	30	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,200		
BH01	3/14/2025	35	<0.0250	<0.0500	<20.0	55	<50.0	55	55	3,580		
BH01	3/14/2025	40	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<55.0	3,610		
BH01	3/14/2025	45	<0.0250	<0.0500	<20.0	41.6	<50.0	41.6	41.6	3,130		
BH01	3/14/2025	50	<0.0250	<0.0500	<20.0	46.6	<50.0	46.6	46.6	3,400		
BH01	3/14/2025	55	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,230		
BH01	3/14/2025	60	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,630		



#### TABLE 1 - CONT'D

#### **SOIL SAMPLE ANALYTICAL RESULTS**

#### **Woolhead CTB**

**Matador Production Company** 

	Lea County, New Mexico												
Sample Date Dep Designation (feet b			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)			
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000			
				Delir	neation Soil San	nples							
BH02	1/14/2025	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,670			
BH02	1/14/2025	1	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,300			
BH02	1/14/2025	3	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,690			
BH02	1/14/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,150			

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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

<sup>&</sup>quot;<": Laboratory Analytical result is less than reporting limit

<sup>\*</sup> 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.



# TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS Woolhead CTB Matador Production Company Lea County, New Mexico

	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)			
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000			
				Excava	tion Floor Soil S	Samples							
FS01	5/12/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,470			
FS02	5/14/2025	0.5	<0.0250	<0.0500	<20.0	39.5	51.4	39.5	90.9	2,280			
FS03	5/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,510			
FS04	5/14/2025	0.5	<0.0250	<0.0500	<20.0	191	152	191	343	2,210			
FS05	5/14/2025	0.5	<0.0250	<0.0500	<20.0	287	226	287	513	1,060			
FS06	5/14/2025	0.5	<0.0250	0.0505	<20.0	70.3	64.3	70.3	135	2,880			
FS07	5/14/2025	0.5	<0.0250	0.0533	<20.0	78.9	81.2	78.9	160	1,170			
	Excavation Sidewall Soil Samples												
SW01	5/12/2025	0-4	<0.0250	<0.0500	<20.0	39.8	<50.0	<25.0	<50.0	421			

#### 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 "<": Laboratory Analytical result is less than reporting limit

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ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

<sup>\*</sup> 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.



**APPENDIX A** 

Well Log and Record



	OSE POD NO.	-	).)		WELL TAG ID NO.			OSE FILE NO(	S).			
NO	POD1 (TV	W-1)		1	n/a			CP-1880				:
ATI	WELL OWNE	R NAME(S	)	<u></u>			-	PHONE (OPTIC	ONAL)			
ζ	Advanced l	Energy P	artners					832.672.470	0			
I	WELL OWNE	R MAILIN	G ADDRESS					CITY		STAT	E	ZIP
VEL	11490 Wes	theimer l	Rd. Stuit 950					Houston		TX	77077	
2		ī	DE	GREES	MINUTES	SECONDS		<u> </u>				
₹	WELL	,		32	27	30.43	2.7	* ACCURACY	REQUIRED: ONE TENT	TH OF	A SECOND	
GENERAL AND WELL LOCATION	LOCATION (FROM GP		TITUDE	103	35	22.44	N W		QUIRED: WGS 84	•		
Z.	`	1.0	NGITUDE									
GE	DESCRIPTIO	N RELATI	NG WELL LOCATION TO	STREET ADDRE	SS AND COMMON	LANDMARK	S – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AV	/AILABLE	
1	SE SE NE	Sec. 30 T	21S R33E									
	LICENSE NO		NAME OF LICENSED	DRILLER					NAME OF WELL DR	LLING	COMPANY	
	124				ickie D. Atkins						ng Associates, I	nc.
	DRILLING ST	TARTED	DRILLING ENDED	DEPTH OF COM	PLETED WELL (FT	) Во	RE HO	LE DEPTH (FT)	DEPTH WATER FIRS	T ENC	OUNTERED (FT)	
	10/08/2		10/08/2021		ry well material	·		105			/a	
			1				STATIC WATER LEV	EL IN (	COMPLETED WE	LL (FT)		
	COMPLETED	WELL IS:	ARTESIAN	DRY HOLE	NED)				/a	- <del> /</del>		
DRILLING & CASING INFORMATION	DRILLING FI	TIID:	□ AIR	·	I							
TAT	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:  DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY: Hollow Stem Auger											
) R	DRILLING M	ETHOD:	ROTARY	HAMMER	CABLE TO	DOL 1	OTHE	R - SPECIFY:	Hollo	w Ste	m Auger	
NFC	DEPTH (feet bgl) BORE HOLE			CASING N	ATERIAL AND	/OR	~	ASING	CASING	CA	CASING WALL SLO	
ĘĞ.	FROM	FROM TO DIAM		G13	GRADE			NECTION	INSIDE DIAM.	1	HICKNESS	SLOT SIZE
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FOR	OSE INTER							WR-2	0 WELL RECORD	& LOC	(Version 06/3	0/17)
FILE	NO.	p	1880		POD NO			TRN 1	NO. 10991	10	4	
LOC	ATION		215	22.D	20 40	13	T	WELL TAGE	DNO		PAGE	1 OF 2

PAGE 2 OF 2

WELL TAG ID NO.

	DEPTH (f	eet bgl)	THICKNESS		TYPE OF MATERIAL ENCOUN		WAT		ESTIMATED YIELD FOR
	FROM	то	(feet)		R-BEARING CAVITIES OR FRAC plemental sheets to fully describe a		BEARI (YES /		WATER- BEARING ZONES (gpm)
	0	9	9	Calic	he, with fine-grained sand, White/Ta	n	Y	√ N	1-1
	9	19	10		ined, poorly graded, with Caliche, T		Y	√ N	
	19	105	86	Sand, F	ine-grained, poorly graded, Tan/ Bro	own	Y	√N	
							Y	N	
							Y	N	
J.							Y	N	
4. HYDROGEOLOGIC LOG OF WELL							Y	N	
OF							Y	N	
90							Y	N	
101						· · · · · · · · · · · · · · · · · · ·	Y	N	
001							Y	N	
GEO							Y	N	
100							Y	N	
HAD							Y	N	
4							Y	N	
							Y	N	
							Y	N	
							Y	N	
							Y	N	
							Y	N	
				·			Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING	STRATA:	1	OTAL ESTIM		
	PUMI	P A	IR LIFT	BAILER OTI	HER – SPECIFY:	V	VELL YIELD	(gpm):	0.00
NOISL	WELL TES				A COLLECTED DURING WELL T OWING DISCHARGE AND DRAY				
RVISI	MISCELLA	NEOUS INF			ls removed and the soil boring be				
TEST; RIG SUPERV			fe	et below ground surfac	ce, then hydrated bentonite chips	from ten feet b	elow ground	surface	to surface.
IG S									
ST; E							E DII NOU		-
	PRINT NAM	(E(S) OF DI	RILL RIG SUPER	RVISOR(S) THAT PROV	/IDED ONSITE SUPERVISION OF	F WELL CONST	RUCTION OT	THER TH	IAN LICENSEE:
.S.	Shane Eldric	dge, Carme	elo Trevino, Can	neron Pruitt					
TURE	CORRECT I	RECORD O	F THE ABOVE I	DESCRIBED HOLE ANI	EST OF HIS OR HER KNOWLEDO O THAT HE OR SHE WILL FILE T PLETION OF WELL DRILLING:				
6. SIGNATURE	Jack A	tkins		Jac	kie D. Atkins		10/29	/2021	
ý	<u>v</u>	SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE N	NAME			DATE	
FΩ	R OSE INTERI	NAL LISE				WR-20 WELL	RECORD & I	.0G (V~	rsion 06/30/2017)
	E NO.	ناون سدد.			POD NO.	TRN NO.			VS/JS/2011)

LOCATION



**APPENDIX B** 

Lithologic Soil Sampling Logs

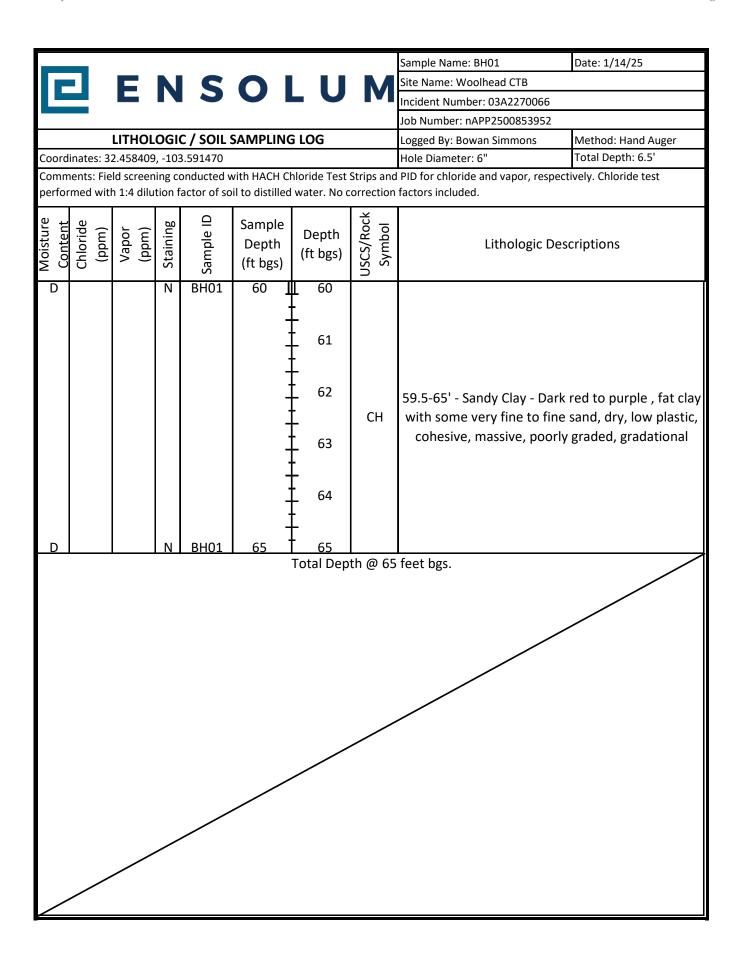
								Sample Name: BH01	Date: 1/14/25			
								Site Name: Woolhead CTB	Date: 1/11/25			
			N	3	O I	LU	V	Incident Number: 03A2270066				
- T								Job Number: nAPP2500853952				
		LITHOL	OGIO	C / SOIL S	SAMPLING	GLOG		Logged By: Bowan Simmons	Method: Hand Auger			
Coord	inates: 32							Hole Diameter: 6"	Total Depth: 6.5'			
			_					PID for chloride and vapor, respe factors included.	ctively. Chloride test			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions			
М	>3,494		Υ	BH01	0	0						
M M	>3,494 >3,494		N N	BH01 BH01	1	1 2						
М	>3,494		N	BH01	3	3	SW-SM	0-6.5' - Silty Sand with trace brown, Medium to fine grain and trace small gravel, u	ed with some very fine silt nconsolidated, moist,			
М	>3,494		N	BH01	4 _	4		nonplastic, noncohesive, ma	assive, well graded, sharp			
М	>3,590		N	BH01	5 _	5 - 5						
М	>3,590		N	BH01	6	6						
						Γ						
M	>3,590		N	BH01	6.5 -	6.5						
М	3,590		N	BH01	8 <u>-</u>	- - 8 -						
М	2,862		N	BH01	10	9	SW-SM	6.5-16' - Silty Sand with trace Gravel - Medium to lip brown, Medium to fine grained with some very fine and trace small gravel, Lightly to moderately consolidated, moist, nonplastic, noncohesive, mass well graded, sharp				
					- - - - -	- - - 11						
М	2.296		N	BH01	12	12						

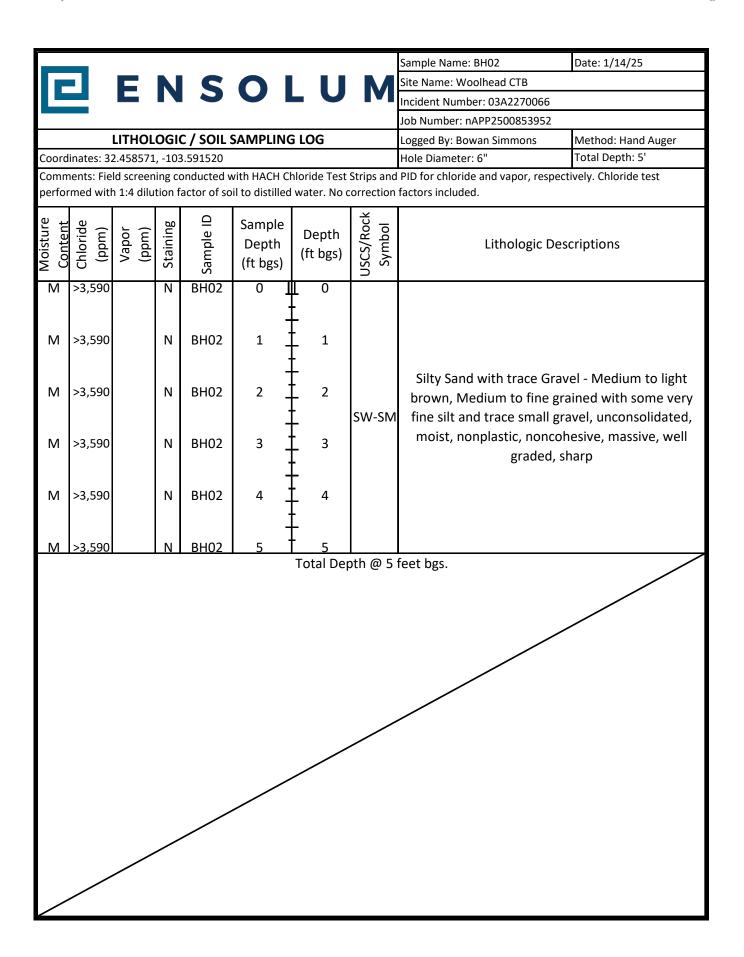
								Sample Name: BH01	Date: 1/14/25	
	7							Site Name: Woolhead CTB	Date. 1/14/25	
			N	5	0 1	LU	M	Incident Number: 03A2270066		
								Job Number: nAPP2500853952		
		LITHOL	OGI	^ / SOIL 9	SAMPLING	2106			Mothadi Hand Augar	
Coord		2.458409			PHIVIPLING	100		Logged By: Bowan Simmons Hole Diameter: 6"	Method: Hand Auger Total Depth: 6.5'	
					vith HACH C	nlorida Tast	Strins and	PID for chloride and vapor, respec	· ·	
			_					factors included.	ctivery. emorrae test	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions	
М	2,296		Υ	BH01	12	12				
М	2,296		N N	BH01 BH01	14	- - - 13 - - - 14	SW-SM	6.5-16' - Silty Sand with trace brown, Medium to fine graine and trace small to large grav consolidated, moist, nonplast well graded	ed with some very fine silt el, Lightly to moderately ic, noncohesive, massive,	
			N	BH01	- -	_ 15				
D	1,266		N	BH01	16	- - _ 16				
					- - - -	- - - 17		16-20' - Sandy Clay - Hard, Re	d to light red with green-	
D	717		N	BH01	18 <u> </u>	18 - - - 19	СН	grey nodules, very fine to fine cohesive, massive, w	e, dry, medium plasticity,	
D	2,979		N	BH01	20 <u>-</u>	- - _ 20				
					- - -	21				
D	>3,455		N	BH01	22 <u>-</u>	- 22 -	SW	20-34.5' - Sand - Red to light red , very fine to fine, or non-plastic, noncohesive, massive, poorly graded gradational		
					- - - -	23				
					24	24				

								Sample Name: BH01	Date: 1/14/25		
				C		LU	NA	Site Name: Woolhead CTB	•		
			N	3				Incident Number: 03A2270066			
								Job Number: nAPP2500853952			
		LITHOL	OGIO	C / SOIL S	SAMPLING	LOG		Logged By: Bowan Simmons Method: Hand Auger			
Coord		2.458409						Hole Diameter: 6"	Total Depth: 6.5'		
					ith HACH Cl	nloride Test S	Strips and	PID for chloride and vapor, respec	tively. Chloride test		
perfor	med witl	n 1:4 dilu	tion f	actor of so	il to distilled	water. No c	orrection	factors included.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions		
					1	24					
D			N	BH01	25	- - - 25 - - - 26					
					-	- - 27					
					- - -	28					
					-	29 	SW	20-34.5' - Sand - Red to light r non-plastic, noncohesive, n gradatio	nassive, poorly graded,		
D			N	BH01	30	30		0			
					- - -	31					
					- - -	32					
					-	33					
					-	34					
D			N	BH01	35 _	35 -	SW	34.5-54.5' - Sand - Dark red t dry, non-plastic, noncohesive gradatio	, massive, poorly graded,		
					-	36		gradatio	ııaı		

								Sample Name: BH01	Date: 1/14/25		
								Site Name: Woolhead CTB	Juic. 1/17/23		
			N	<b>5</b>	U	LU	V	Incident Number: 03A2270066			
								Job Number: nAPP2500853952			
		LITHOL	OGI	C / SOIL S	SAMPLING	GLOG		Logged By: Bowan Simmons	Method: Hand Auger		
Coord	Coordinates: 32.458409, -103.591470							Hole Diameter: 6"	Total Depth: 6.5'		
						PID for chloride and vapor, respondence factors included.	ectively. Chloride test				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions		
					1	<u> </u>					
						- - 37 - - - 38 - - - - 39					
D			N	BH01	40 <u>-</u>	- - - 40					
					-	41					
					-	42	SW	34.5-54.5' - Sand - Dark red dry, non-plastic, noncohesiv gradat	e, massive, poorly graded,		
					-	- _ 43 -					
					- - -	- - 44 -					
D			N	BH01	45 <u> </u>	- 45					
						- 46					
					- - -	47					
					-	- - 48					

								Sample Name: BH01	Date: 1/14/25		
			N	C		LU	M	Site Name: Woolhead CTB	•		
						_ U	IAI	Incident Number: 03A2270066			
								Job Number: nAPP2500853952			
		LITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: Bowan Simmons	Method: Hand Auger		
Coordi				3.591470			Hole Diameter: 6"	Total Depth: 6.5'			
			_					PID for chloride and vapor, respectators included.	ctively. Chloride test		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions		
					1	48					
D			N	BH01	50 _	- 49 - 50 - 51 - 52 - 53 - 54	SW	34.5-54.5' - Sand - Dark red t dry, non-plastic, noncohesive gradatio	, massive, poorly graded,		
D			N	BH01	55 <u> </u>	- - _ 55					
					- - - -	- - _ 56		Transitional Zone			
					- - -	- 57 -	SC	54.5'-59.5' - Clayey Sand - Dark red to red , very fin- fine with some fat clay nodules, dry, non-plastic noncohesive, massive, poorly graded, gradational			
					- - - -	- - 58 -		nonconesive, massive, poo	iry graucu, grauational		
					- - - 1	- - _ 59 -					
D			N	BH01	-	- 60	СН	59.5-65' - Clayey Sand - See c	lescription on next page.		







**APPENDIX C** 

Photographic Log







Photograph 1 Date: 1/8/2025 Photograph 2 Date: 1/8/2025

Description: Spill area

View: West

Description: Spill area

View: Southwest





Photograph 3 Date: 1/8/2025 Photograph 4 Date: 1/8/2025

Description: Spill area

View: Northwest

Description: Spill area

View: Southwest





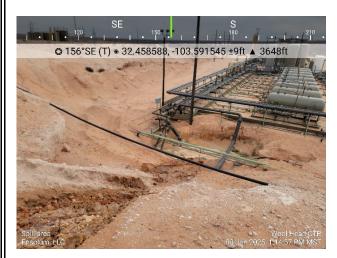


Photograph 5 Date: 1/8/2025 Photograph 6 Date: 1/8/2025

Description: Spill area
View: Northwest

Description: Spill area
View: West





Photograph 7 Date: 1/8/2025 Photograph 8 Date: 1/8/2025

Description: Spill area

View: Southeast

Description: Spill area

View: South







Photograph 9 Date: 1/14/2025 Photograph 10 Date: 1/14/2025

Description: BH01 Description: BH02
View: South View: East





Photograph 11 Date: 1/14/2025 Photograph 12 Date: 2/4/2025

Description: BH02 Description: Delineation BH01

View: Northeast View: South

## **ENSOLUM**

# Photographic Log Matador Production Company Woolhead CTB nAPP2500853952



Photograph 13 Date: 3/14/2025

Description: Delineation (BH01)

View: Northeast

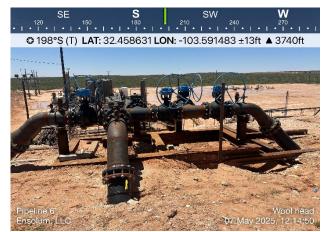


Photograph 14 Date: 3/14/2025

Description: Delineation (BH01)

View: Northeast





Photograph 15 Date: 5/7/2025 Photograph 16 Date: 5/7/2025

Description: Excavation Activities Description: Excavation Activities

View: Northwest View: South







Photograph 17 Date: 5/12/2025

Description: Excavation Activities

View: Northeast

Photograph 18 Date: 5/12/2025

**Description: Excavation Activities** 

View: Southeast





Photograph 19 Date: 5/13/2025

Description: Excavation Activities

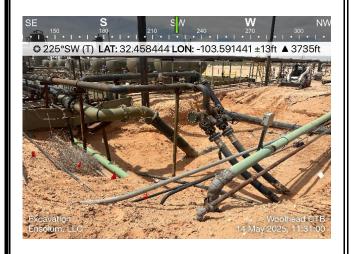
View: Southwest

Photograph 20 Date: 5/13/205

Description: Excavation Activities

View: South







Photograph 21 Date: 5/14/2025 Photograph 22 Date: 5/14/2025

Description: Excavation Area

View: Southwest

Description: Excavation Area

View: South





Photograph 23 Date: 5/14/2025 Photograph 24 Date: 5/14/2025

Description: Excavation Area Description: Excavation Area

View: South View: Southeast



## APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

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: Wool Head CTB

Work Order: E501056

Job Number: 23003-0002

Received: 1/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/13/25

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: 1/13/25

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

Project Name: Wool Head CTB

Workorder: E501056

Date Received: 1/10/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/10/2025 8:00:00AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** 

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

**Michelle Gonzales** 

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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QC - Nonhalogenated Organics by EPA 8015D - GRO	9
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Chain of Custody etc.	13

### Sample Summary

ſ	Matador Resources, LLC.	Project Name:	Wool Head CTB	В (1
١	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/13/25 11:43

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS01-0'	E501056-01A Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
SS02-0'	E501056-02A Soil	01/08/25	01/10/25	Glass Jar, 2 oz.
SS03-0'	E501056-03A Soil	01/08/25	01/10/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/13/2025 11:43:18AM

### SS01-0'

#### E501056-01

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2502099
Diesel Range Organics (C10-C28)	35.5	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	68.0	50.0	1	01/10/25	01/10/25	
Surrogate: n-Nonane		116 %	50-200	01/10/25	01/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: AK		Batch: 2502100
Chloride	ND	20.0	1	01/10/25	01/10/25	

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/13/2025 11:43:18AM

#### SS02-0'

#### E501056-02

		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
Surrogate: n-Nonane		113 %	50-200	01/10/25	01/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: AK		Batch: 2502100
Chloride	ND	20.0	1	01/10/25	01/10/25	



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/13/2025 11:43:18AM

#### SS03-0'

#### E501056-03

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502098
Benzene	ND	0.0250	1	01/10/25	01/10/25	
Ethylbenzene	ND	0.0250	1	01/10/25	01/10/25	
Toluene	ND	0.0250	1	01/10/25	01/10/25	
o-Xylene	ND	0.0250	1	01/10/25	01/10/25	
p,m-Xylene	ND	0.0500	1	01/10/25	01/10/25	
Total Xylenes	ND	0.0250	1	01/10/25	01/10/25	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502098
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/10/25	01/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	01/10/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2502099
Diesel Range Organics (C10-C28)	ND	25.0	1	01/10/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/10/25	01/10/25	
Surrogate: n-Nonane		115 %	50-200	01/10/25	01/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: AK		Batch: 2502100
Chloride	161	20.0	1	01/10/25	01/10/25	



Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

Matador Resources, LLC. Project Name: Wool Head CTB

5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002

Dallas TX, 75240 Project Manager: Ashley Giovengo 1/13/2025 11:43:18AM

Dallas TX, 75240		Project Manager:		shley Giovengo	)			1.	/13/2025 11:43:18AN
		Volatile O	rganics b	oy EPA 8021	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2502098-BLK1)						I	Prepared: 0	1/10/25 An	alyzed: 01/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.70		8.00		83.8	70-130			
LCS (2502098-BS1)						I	Prepared: 0	1/10/25 An	alyzed: 01/10/25
Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.1	70-130			
Toluene	4.84	0.0250	5.00		96.7	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.67	0.0500	10.0		96.7	70-130			
Total Xylenes	14.4	0.0250	15.0		96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.86		8.00		85.7	70-130			
LCS Dup (2502098-BSD1)						I	Prepared: 0	1/10/25 An	alyzed: 01/10/25
Benzene	4.58	0.0250	5.00		91.5	70-130	5.50	20	
Ethylbenzene	4.49	0.0250	5.00		89.9	70-130	5.70	20	
Toluene	4.56	0.0250	5.00		91.2	70-130	5.85	20	
o-Xylene	4.48	0.0250	5.00		89.6	70-130	5.48	20	
p,m-Xylene	9.16	0.0500	10.0		91.6	70-130	5.49	20	

8.00

0.0250

7.00



5.49

70-130

70-130

87.5

20

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo1/13/2025 11:43:18AM

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2502098-BLK1)						Prepared: 0	1/10/25	Analyzed: 01	/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00	96.5	70-130				
LCS (2502098-BS2)						Prepared: 0	1/10/25	Analyzed: 01	/10/25
Gasoline Range Organics (C6-C10)	36.9	20.0	50.0	73.9	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00	97.0	70-130				
LCS Dup (2502098-BSD2)						Prepared: 0	1/10/25	Analyzed: 01	/10/25
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	89.1	70-130	18.7	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00	96.8	70-130				



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Wool Head CTB 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/13/2025 11:43:18AM

Dallas 1X, /5240		Project Manage	r: As	sniey Gioveng	go				1/13/2025 11:43:18AM
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Analyst: HM  Notes  nalyzed: 01/10/25  nalyzed: 01/10/25
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2502099-BLK1)							Prepared: 0	1/10/25 Ar	nalyzed: 01/10/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			
LCS (2502099-BS1)							Prepared: 0	1/10/25 Ar	nalyzed: 01/10/25
Diesel Range Organics (C10-C28)	244	25.0	250		97.6	38-132			
Surrogate: n-Nonane	47.4		50.0		94.7	50-200			
LCS Dup (2502099-BSD1)							Prepared: 0	1/10/25 Ar	nalyzed: 01/10/25
Diesel Range Organics (C10-C28)	241	25.0	250		96.3	38-132	1.32	20	
Surrogate: n-Nonane	50.4		50.0		101	50-200			

Chloride

# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		ool Head CTI 3003-0002	3				Reported:
Dallas TX, 75240		Project Manager:	A	shley Gioveng	go			1	/13/2025 11:43:18AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2502100-BLK1)							Prepared: 0	1/10/25 Aı	nalyzed: 01/10/25
Chloride	ND	20.0							
LCS (2502100-BS1)							Prepared: 0	1/10/25 Aı	nalyzed: 01/10/25
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2502100-MS1)				Source:	E501055-0	02	Prepared: 0	1/10/25 Aı	nalyzed: 01/10/25
Chloride	386	40.0	250	151	93.9	80-120			
Matrix Spike Dup (2502100-MSD1)				Source:	E501055-0	)2	Prepared: 0	1/10/25 Aı	nalyzed: 01/10/25

250

40.0

80-120

#### 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**

l	Matador Resources, LLC.	Project Name:	Wool Head CTB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/13/25 11:43

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.



### **Chain of Custody**

	Clier	nt Inform	nation			Invoice Information	n				La		e Only	-				TAT			Stat	1579
Client: N	Natador Produ	uction Co	mpany		C	ompany: Ensolum LLC			Lab	WO#			Job N				1D	2D 3	D Std	NM	CO UT	TX
Project:	Wool Hea	ad CTB			Δ	Address: 3122 National Parks I	Hwy		E5	loi	051	0	2300	3.0	20C	2			x	Х	15	
roject N	lanager: Ash	ley Giov	engo		<u>C</u>	ity, State, Zip: Carlsbad NM, 8	38220							AV.					HE ALC			
1 0 2/23	3122 Nation				<u>P</u>	hone: 575-988-0055							Anal	ysis	and	Met	hod			EP/	A Progra	am
City, Stat	e, Zip: Carlsb	oad NM,	88220		F	mail: agiovengo@ensolum.o	com													SDWA	CWA	RCRA
Phone: 5	575-988-0055	5				iscellaneous:																
Email: a	giovengo@er	nsolum.c	om							51	12									Compliance	e Y	or N
19/10 13/93				WHITE STATE			2004 3 TV			, 8015	, 80	п		0.	_	×	200			PWSID#		
				San	mple Informat	ion	47			(d 0)	(d 0)	802	8260	a 300	N N	05 - T	Met					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	L Nu	ab mber	DRO/ORO	GRO/DRO by	BTEX by 802:	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	i
13:06	1/8/2025	Soil	1			SS01-0'		1							х							
13:11	1/8/2025	Soil	1			SS02-0'		2							х							
13:14	1/8/2025	Soil	1			SS03-0'		3							х							
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			-												_		$\vdash$	+	+			
- VSSI 2												440					Щ	Ц	Д.			
Addition	al Instruction	ıs: Plea	ise CC: ch	burton@e	ensolum.com,	agiovengo@ensolum.com, ie	estrella@	enso	lum.	com,	cham	ilto	ı@en	solu	ım.cc	m, I	osimm	10ns@	ensolu	m.com		
l, (field sam	pler), attest to the	validity and	l authenticit	ty of this sam	ple. I am aware th	at tampering with or intentionally mislab	eling the sar	nple lo	cation,	date o	r time o	of coll	ection is	cons	idered	fraud	and ma	y be gro	unds for l	egal action.		
Relinquish	ed by: (Signature	e)	Date	e c	Time	Received by: (Signature)	Date			Time				ře i						ust be received or		
Jann	a Hinhle	1	11	4/25	7:30	Received by: (Signature)	Per 1-	90	52	0	730	)			sample	d or re	ceived pa	acked in i	ce at an avg	g temp above 0 b	ut less than	6°C on
Relinguish	ed by: (Signature	e) onsole	es 1	4-25	Time 1646	11-1 12	Date	9-2	5	Time 16	76				Rece	eived	d on ic	:e: (	Lab U Y)/ N	se Only		
Relinquish	ed by: (Signature	a) 0	Date	-9-25	7245	Received by: (dignature)	- Date	10.2	15	Time 80					T1				2		T3	
Belinquish	ed by: (Signature	e)	Date	e	Time	Received by: (Signature)	Date			Time					AVG	Ten	np °C_	4				
Sample Mat	rix: S - Soil, Sd - So	olid, Sg - Slu	dge, A - Aqu	ueous, O - Oth	ner													s, v - V				
	1 0 1	- 1 1 1 1	ofter recui	lts are renor	rtad unless other	arrangements are made. Hazardous	camples w	ill be t	aturne	od to c	lient o	r disn	nsed o	f at t	he clie	nt ex	nense	The re	port for t	he analysis of	f the abov	ve samples i



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Printed: 1/10/2025 8:52:48AM

### **Envirotech Analytical Laboratory**

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:	01/10/25	08:00		Work Order ID:	E501056
Phone:	(972) 371-5200	Date Logged In:	01/09/25	14:23		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/16/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>Co</u>	<u>ourier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)			Γ			
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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	e sample received on ice? If yes, the recorded temp is 4°C.  Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C	•	· 1 · · · · · <u>—</u>	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·	ners conceica.	105				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		No				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
-	imples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab:	NA		
				Succentract Luc.	1421		
Chent In	<u>istruction</u>						

Date

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: Wool Head CTB

Work Order: E501101

Job Number: 23003-0002

Received: 1/17/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/22/25

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: 1/22/25

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

Project Name: Wool Head CTB

Workorder: E501101

Date Received: 1/17/2025 8:15:11AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/17/2025 8:15:11AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

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Envirotech Web Address: www.envirotech-inc.com

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# Sample Summary

Matador Resources, LLC.	Project Name:	Wool Head CTB	Donouted.
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/22/25 12:28

Client Sample ID	Lab Sample ID Matr	ix Sampled	Received	Container
SS04-0'	E501101-01A Soi	01/14/25	01/17/25	Glass Jar, 2 oz.
BH01-0'	E501101-02A Soi	01/14/25	01/17/25	Glass Jar, 2 oz.
BH01-1'	E501101-03A Soi	01/14/25	01/17/25	Glass Jar, 2 oz.
BH01-3'	E501101-04A Soi	01/14/25	01/17/25	Glass Jar, 2 oz.
BH01-5'	E501101-05A Soi	01/14/25	01/17/25	Glass Jar, 2 oz.
BH01-6.5'	E501101-06A Soi	01/14/25	01/17/25	Glass Jar, 2 oz.
BH02-0'	E501101-07A Soi	01/14/25	01/17/25	Glass Jar, 2 oz.
BH02-1'	E501101-08A Soi	01/14/25	01/17/25	Glass Jar, 2 oz.
BH02-3'	E501101-09A Soi	01/14/25	01/17/25	Glass Jar, 2 oz.
BH02-5'	E501101-10A Soi	01/14/25	01/17/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/22/2025 12:28:29PM

# SS04-0'

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst:	BA		Batch: 2503100
Benzene	ND	0.0250	1		01/17/25	01/18/25	
Ethylbenzene	ND	0.0250	1		01/17/25	01/18/25	
Toluene	ND	0.0250	1		01/17/25	01/18/25	
o-Xylene	ND	0.0250	1		01/17/25	01/18/25	
p,m-Xylene	ND	0.0500	1		01/17/25	01/18/25	
Total Xylenes	ND	0.0250	1		01/17/25	01/18/25	
Surrogate: Bromofluorobenzene		95.9 %	70-130		01/17/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		01/17/25	01/18/25	
Surrogate: Toluene-d8		97.1 %	70-130		01/17/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst:	BA		Batch: 2503100
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/17/25	01/18/25	
Surrogate: Bromofluorobenzene		95.9 %	70-130		01/17/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		01/17/25	01/18/25	
Surrogate: Toluene-d8		97.1 %	70-130		01/17/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	AF		Batch: 2503095
Diesel Range Organics (C10-C28)	ND	25.0	1		01/17/25	01/18/25	_
Oil Range Organics (C28-C36)	ND	50.0	1		01/17/25	01/18/25	
Surrogate: n-Nonane		119 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	JM		Batch: 2503108
Chloride	27.7	20.0	1		01/17/25	01/17/25	



Matador Resources, LLC.Project Name:Wool Head CTB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo1/22/2025 12:28:29PM

#### BH01-0' E501101-02

#### Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: BA Batch: 2503100 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 01/17/25 01/18/25 ND 0.0250 Benzene 1 01/17/25 01/18/25 Ethylbenzene ND 0.0250 ND 0.0250 1 01/17/25 01/18/25 Toluene 1 01/17/25 01/18/25 o-Xylene ND 0.0250 01/17/25 01/18/25 ND 0.0500 1 p,m-Xylene 01/17/25 01/18/25 1 Total Xylenes ND 0.0250 01/18/25 01/17/25 Surrogate: Bromofluorobenzene 93.8 % 70-130 01/18/25 Surrogate: 1,2-Dichloroethane-d4 98.6 % 70-130 01/17/25 Surrogate: Toluene-d8 95.1 % 70-130 01/17/2501/18/25 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: BA Batch: 2503100 ND 01/17/25 01/18/25 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 93.8 % 01/17/25 01/18/25 70-130 01/18/25 Surrogate: 1,2-Dichloroethane-d4 98.6 % 70-130 01/17/25 Surrogate: Toluene-d8 01/17/25 01/18/25 95.1 % 70-130 mg/kg Analyst: AF Batch: 2503095 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 01/17/25 01/18/25 ND 25.0 1 Diesel Range Organics (C10-C28) ND 50.0 1 01/17/25 01/18/25 Oil Range Organics (C28-C36) 121 % 50-200 01/17/2501/18/25 Surrogate: n-Nonane

mg/kg

40.0

Analyst: JM

01/17/25

01/17/25

2

mg/kg

4660



Batch: 2503108

Anions by EPA 300.0/9056A

Chloride

Matador Resources, LLC.Project Name:Wool Head CTB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo1/22/2025 12:28:29PM

#### BH01-1'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2503100
Benzene	ND	0.0250	1	ł	01/17/25	01/18/25	
Ethylbenzene	ND	0.0250	1	l	01/17/25	01/18/25	
Toluene	ND	0.0250	1	Į	01/17/25	01/18/25	
o-Xylene	ND	0.0250	1	l	01/17/25	01/18/25	
p,m-Xylene	ND	0.0500	1	Į	01/17/25	01/18/25	
Total Xylenes	ND	0.0250	1	1	01/17/25	01/18/25	
Surrogate: Bromofluorobenzene		95.5 %	70-130		01/17/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		01/17/25	01/18/25	
Surrogate: Toluene-d8		95.2 %	70-130		01/17/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2503100
Gasoline Range Organics (C6-C10)	ND	20.0	1	ı	01/17/25	01/18/25	
Surrogate: Bromofluorobenzene		95.5 %	70-130		01/17/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		01/17/25	01/18/25	
Surrogate: Toluene-d8		95.2 %	70-130		01/17/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2503095
Diesel Range Organics (C10-C28)	27.4	25.0	1	i	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	l	01/17/25	01/18/25	
Surrogate: n-Nonane		133 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2503108
Chloride	7720	100	-	5	01/17/25	01/17/25	

Matador Resources, LLC.Project Name:Wool Head CTB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo1/22/2025 12:28:29PM

### BH01-3' E501101-04

Analyte	Result	Reporting Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA	<u> </u>	Batch: 2503100
Benzene	ND	0.0250		1	01/17/25	01/18/25	
Ethylbenzene	ND	0.0250		1	01/17/25	01/18/25	
Toluene	ND	0.0250		1	01/17/25	01/18/25	
o-Xylene	ND	0.0250		1	01/17/25	01/18/25	
p,m-Xylene	ND	0.0500		1	01/17/25	01/18/25	
Total Xylenes	ND	0.0250		1	01/17/25	01/18/25	
Surrogate: Bromofluorobenzene		97.1 %	70-130		01/17/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		01/17/25	01/18/25	
Surrogate: Toluene-d8		96.7 %	70-130		01/17/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2503100
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/17/25	01/18/25	
Surrogate: Bromofluorobenzene		97.1 %	70-130		01/17/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		01/17/25	01/18/25	
Surrogate: Toluene-d8		96.7 %	70-130		01/17/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2503095
Diesel Range Organics (C10-C28)	ND	25.0		1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0		1	01/17/25	01/18/25	
Surrogate: n-Nonane		117 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2503108

40.0

2

01/17/25

01/17/25

3690



Chloride

Matador Resources, LLC.Project Name:Wool Head CTB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo1/22/2025 12:28:29PM

### BH01-5'

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2503100
Benzene	ND	0.0250		1	01/17/25	01/18/25	
Ethylbenzene	ND	0.0250		1	01/17/25	01/18/25	
Toluene	ND	0.0250		1	01/17/25	01/18/25	
o-Xylene	ND	0.0250		1	01/17/25	01/18/25	
p,m-Xylene	ND	0.0500		1	01/17/25	01/18/25	
Total Xylenes	ND	0.0250		1	01/17/25	01/18/25	
Surrogate: Bromofluorobenzene		95.5 %	70-130		01/17/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		01/17/25	01/18/25	
Surrogate: Toluene-d8		97.2 %	70-130		01/17/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2503100
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/17/25	01/18/25	
Surrogate: Bromofluorobenzene		95.5 %	70-130		01/17/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		01/17/25	01/18/25	
Surrogate: Toluene-d8		97.2 %	70-130		01/17/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2503095
Diesel Range Organics (C10-C28)	ND	25.0		1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0		1	01/17/25	01/18/25	
Surrogate: n-Nonane		127 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2503108
Chloride	3280	40.0		2	01/17/25	01/17/25	

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/22/2025 12:28:29PM

### BH01-6.5' E501101-06

	Reporting					
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst	: BA		Batch: 2503100
ND	0.0250		1	01/17/25	01/18/25	
ND	0.0250		1	01/17/25	01/18/25	
ND	0.0250		1	01/17/25	01/18/25	
ND	0.0250		1	01/17/25	01/18/25	
ND	0.0500		1	01/17/25	01/18/25	
ND	0.0250		1	01/17/25	01/18/25	
	97.0 %	70-130		01/17/25	01/18/25	
	96.6 %	70-130		01/17/25	01/18/25	
	96.8 %	70-130		01/17/25	01/18/25	
mg/kg	mg/kg		Analyst	: BA		Batch: 2503100
ND	20.0		1	01/17/25	01/18/25	
	97.0 %	70-130		01/17/25	01/18/25	
	96.6 %	70-130		01/17/25	01/18/25	
	96.8 %	70-130		01/17/25	01/18/25	
mg/kg	mg/kg		Analyst	: AF		Batch: 2503095
ND	25.0		1	01/17/25	01/18/25	
ND	50.0		1	01/17/25	01/18/25	
	126 %	50-200		01/17/25	01/18/25	
mg/kg	mg/kg		Analyst	: JM		Batch: 2503108
3860	40.0		2	01/17/25	01/17/25	
	ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           97.0 %         96.6 %           96.8 %         96.8 %           mg/kg         mg/kg           ND         20.0           97.0 %         96.8 %           mg/kg         mg/kg           ND         25.0           ND         50.0           126 %         mg/kg	Result         Limit         Dil           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           97.0 %         70-130           96.6 %         70-130           96.8 %         70-130           mg/kg         mg/kg           ND         20.0           97.0 %         70-130           96.8 %         70-130           96.8 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0           126 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analyst           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           96.6 %         70-130           96.8 %         70-130           mg/kg         mg/kg         Analyst           ND         20.0         1           96.8 %         70-130         96.8 %           ng/kg         mg/kg         Analyst           ND         25.0         1           ND         50.0         1           126 %         50-200           mg/kg         mg/kg         Analyst	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         01/17/25           ND         0.0250         1         01/17/25           ND         0.0250         1         01/17/25           ND         0.0250         1         01/17/25           ND         0.0500         1         01/17/25           ND         0.0250         1         01/17/25           ND         70-130         01/17/25           96.6 %         70-130         01/17/25           96.8 %         70-130         01/17/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         01/17/25           96.6 %         70-130         01/17/25           96.8 %         70-130         01/17/25           96.8 %         70-130         01/17/25           mg/kg         mg/kg         Analyst: AF           ND         25.0         1         01/17/25           ND         50.0         1         01/17/25           Mg/kg         Mg/kg         Analyst: AF	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         01/17/25         01/18/25           ND         0.0500         1         01/17/25         01/18/25           ND         0.0250         1         01/17/25         01/18/25           97.0 %         70-130         01/17/25         01/18/25           96.6 %         70-130         01/17/25         01/18/25           96.8 %         70-130         01/17/25         01/18/25           97.0 %         70-130         01/17/25         01/18/25           96.6 %         70-130         01/17/25         01/18/25           96.6 %         70-130         01/17/25         01/18/25           96.8 %         70-130         01/17/25         01/18/25           96.8 %         70-130         01/17/25         01/18/25           96.8 %         70-13



Matador Resources, LLC.Project Name:Wool Head CTB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo1/22/2025 12:28:29PM

#### BH02-0'

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: l	BA		Batch: 2503100
Benzene	ND	0.0250	1		01/17/25	01/19/25	
Ethylbenzene	ND	0.0250	1		01/17/25	01/19/25	
Toluene	0.0260	0.0250	1		01/17/25	01/19/25	
o-Xylene	ND	0.0250	1		01/17/25	01/19/25	
p,m-Xylene	ND	0.0500	1		01/17/25	01/19/25	
Total Xylenes	ND	0.0250	1		01/17/25	01/19/25	
Surrogate: Bromofluorobenzene		97.7 %	70-130		01/17/25	01/19/25	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		01/17/25	01/19/25	
Surrogate: Toluene-d8		98.1 %	70-130		01/17/25	01/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: l	BA		Batch: 2503100
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/17/25	01/19/25	
Surrogate: Bromofluorobenzene		97.7 %	70-130		01/17/25	01/19/25	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		01/17/25	01/19/25	
Surrogate: Toluene-d8		98.1 %	70-130		01/17/25	01/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: 1	AF		Batch: 2503095
Diesel Range Organics (C10-C28)	ND	25.0	1		01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1		01/17/25	01/18/25	
Surrogate: n-Nonane		137 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: J	JM		Batch: 2503108
Chloride	4670	40.0	2		01/17/25	01/17/25	



Matador Resources, LLC.Project Name:Wool Head CTB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo1/22/2025 12:28:29PM

#### BH02-1'

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepar	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: BA		Batch: 2503100
Benzene	ND	0.0250	1	01/17/2	25 01/19/25	
Ethylbenzene	ND	0.0250	1	01/17/2	25 01/19/25	
Toluene	ND	0.0250	1	01/17/2	25 01/19/25	
o-Xylene	ND	0.0250	1	01/17/2	25 01/19/25	
p,m-Xylene	ND	0.0500	1	01/17/2	25 01/19/25	
Total Xylenes	ND	0.0250	1	01/17/2	25 01/19/25	
Surrogate: Bromofluorobenzene		98.5 %	70-130	01/17/	25 01/19/25	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	01/17/2	25 01/19/25	
Surrogate: Toluene-d8		96.5 %	70-130	01/17/2	25 01/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: BA		Batch: 2503100
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/2	25 01/19/25	
Surrogate: Bromofluorobenzene		98.5 %	70-130	01/17/2	25 01/19/25	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	01/17/	25 01/19/25	
Surrogate: Toluene-d8		96.5 %	70-130	01/17/2	25 01/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: AF		Batch: 2503095
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/2	25 01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/2	25 01/18/25	
Surrogate: n-Nonane		118 %	50-200	01/17/2	25 01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: JM		Batch: 2503108



Matador Resources, LLC.Project Name:Wool Head CTB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo1/22/2025 12:28:29PM

#### BH02-3'

_		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: E	BA		Batch: 2503100
Benzene	ND	0.0250	1		01/17/25	01/19/25	
Ethylbenzene	ND	0.0250	1		01/17/25	01/19/25	
Toluene	ND	0.0250	1		01/17/25	01/19/25	
o-Xylene	ND	0.0250	1		01/17/25	01/19/25	
p,m-Xylene	ND	0.0500	1		01/17/25	01/19/25	
Total Xylenes	ND	0.0250	1		01/17/25	01/19/25	
Surrogate: Bromofluorobenzene		96.8 %	70-130		01/17/25	01/19/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		01/17/25	01/19/25	
Surrogate: Toluene-d8		95.2 %	70-130		01/17/25	01/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: E	BA		Batch: 2503100
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/17/25	01/19/25	
Surrogate: Bromofluorobenzene		96.8 %	70-130		01/17/25	01/19/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		01/17/25	01/19/25	
Surrogate: Toluene-d8		95.2 %	70-130		01/17/25	01/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: A	AF		Batch: 2503095
Diesel Range Organics (C10-C28)	ND	25.0	1		01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	01/17/25	01/18/25	
Surrogate: n-Nonane		133 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: J	M		Batch: 2503108
Chloride	7690	100	5		01/17/25	01/17/25	



Matador Resources, LLC.Project Name:Wool Head CTB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo1/22/2025 12:28:29PM

### BH02-5'

#### E501101-10 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: BA Batch: 2503100 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 01/17/25 01/19/25 ND 0.0250 Benzene 1 01/17/25 01/19/25 Ethylbenzene ND 0.0250 ND 0.0250 1 01/17/25 01/19/25 Toluene 1 01/17/25 01/19/25 o-Xylene ND 0.0250 01/17/25 01/19/25 ND 0.0500 1 p,m-Xylene 01/17/25 01/19/25 1 Total Xylenes ND 0.0250 01/19/25 01/17/25 Surrogate: Bromofluorobenzene 97.6% 70-130 01/19/25 Surrogate: 1,2-Dichloroethane-d4 94.9 % 70-130 01/17/25 Surrogate: Toluene-d8 97.1 % 70-130 01/17/25 01/19/25 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: BA Batch: 2503100 ND 01/17/25 01/19/25 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 97.6 % 01/17/25 01/19/25 70-130 94.9 % 01/19/25 Surrogate: 1,2-Dichloroethane-d4 70-130 01/17/25 Surrogate: Toluene-d8 01/17/25 01/19/25 97.1 % 70-130 mg/kg Analyst: AF Batch: 2503095 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 01/17/25 01/18/25 ND 25.0 1 Diesel Range Organics (C10-C28) ND 50.0 1 01/17/25 01/18/25 Oil Range Organics (C28-C36) 132 % 50-200 01/17/2501/18/25 Surrogate: n-Nonane Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: JM Batch: 2503108

100

7150

5

01/17/25

01/17/25

Chloride

Matador Resources, LLC. Project Name: Wool Head CTB

5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002

Dallas TX, 75240 Project Manager: Ashley Giovengo 1/22/2025 12:28:29PM

Dallas TX, 75240		Project Manager	r: As	shley Giovengo	)			1/22	2/2025 12:28:29PM
	V	olatile Organi	ic Compo	unds by EPA	<b>A</b> 82601	В			Analyst: BA
Analyte		Reporting	Spike	Source		Rec	DDD	RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2503100-BLK1)							Prepared: 0	1/17/25 Analy	zed: 01/18/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			
LCS (2503100-BS1)							Prepared: 0	1/17/25 Analy	zed: 01/18/25
Benzene	2.48	0.0250	2.50		99.4	70-130			
Ethylbenzene	2.26	0.0250	2.50		90.4	70-130			
Toluene	2.29	0.0250	2.50		91.4	70-130			
o-Xylene	2.19	0.0250	2.50		87.8	70-130			
p,m-Xylene	4.45	0.0500	5.00		89.0	70-130			
Total Xylenes	6.64	0.0250	7.50		88.6	70-130			
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.474		0.500		94.8	70-130			
Matrix Spike (2503100-MS1)				Source: E	501100-	10	Prepared: 0	1/17/25 Analy	zed: 01/18/25
Benzene	2.52	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.32	0.0250	2.50	ND	92.6	45-135			
Toluene	2.33	0.0250	2.50	ND	93.3	48-130			
p-Xylene	2.30	0.0250	2.50	ND	92.0	43-135			
o,m-Xylene	4.63	0.0500	5.00	ND	92.7	43-135			
Total Xylenes	6.94	0.0250	7.50	ND	92.5	43-135			
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.475		0.500		95.0	70-130			
Matrix Spike Dup (2503100-MSD1)				Source: E	501100-	10	Prepared: 0	1/17/25 Analy	zed: 01/18/25
Benzene	2.50	0.0250	2.50	ND	99.9	48-131	0.837	23	
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135	0.715	27	
Toluene	2.31	0.0250	2.50	ND	92.5	48-130	0.926	24	
o-Xylene	2.26	0.0250	2.50	ND	90.4	43-135	1.75	27	
p,m-Xylene	4.58	0.0500	5.00	ND	91.7	43-135	1.10	27	
Total Xylenes	6.84	0.0250	7.50	ND	91.3	43-135	1.31	27	
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
C	0.407		0.500		07.2	70 120			

0.500

0.500

97.3

95.2

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.487

0.476

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo1/22/2025 12:28:29PM

Nonhalogenated Orga	nics by EPA 8015D - GRO
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Ana		

Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Lillit	LCVCI	Result	Rec	Lillius	ICI D	Lillit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2503100-BLK1)							Prepared: 0	1/17/25 A	nalyzed: 01/18/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			
LCS (2503100-BS2)							Prepared: 0	1/17/25 A	nalyzed: 01/18/25
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	<u> </u>	98.2	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			
Matrix Spike (2503100-MS2)				Source:	E501100-1	10	Prepared: 0	1/17/25 A	nalyzed: 01/18/25
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.5	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			
Matrix Spike Dup (2503100-MSD2)				Source:	E501100-1	10	Prepared: 0	1/17/25 A	nalyzed: 01/18/25
Gasoline Range Organics (C6-C10)	36.8	20.0	50.0	ND	73.6	70-130	19.4	20	
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
	0.407								
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			



Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/22/2025 12:28:29PM

	Analyst: AF
RPI RPD Lim	
% %	Notes
ared: 01/17/25	Analyzed: 01/17/25
ared: 01/17/25	Analyzed: 01/18/25
ared: 01/17/25	Analyzed: 01/18/25
ared: 01/17/25	Analyzed: 01/18/25
0.325 20	
12	RPD Lim % % ared: 01/17/25 ared: 01/17/25 ared: 01/17/25



Matrix Spike Dup (2503108-MSD1)

Chloride

17700

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: 23	ool Head CTI 3003-0002 shley Gioveng				1	Reported: /22/2025 12:28:29PM
		Anions	by EPA 3	600.0/9056 <i>A</i>	1				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2503108-BLK1)							Prepared: 0	1/17/25 An	alyzed: 01/17/25
Chloride	ND	20.0							
LCS (2503108-BS1)							Prepared: 0	1/17/25 An	alyzed: 01/17/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2503108-MS1)				Source:	E501100-	10	Prepared: 0	1/17/25 An	alyzed: 01/17/25
Chloride	19000	200	250	16600	966	80-120			M4

250

200

Source: E501100-10

424

80-120

7.38

16600

#### 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.



Prepared: 01/17/25 Analyzed: 01/17/25

20

### **Definitions and Notes**

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/22/25 12:28

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

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.



	Page		of .	 Re
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	or	N		9/2025
s				Received by OCD: 7/9/2025 12:00:31 AM
				AM

	Clier	nt Inform	ation			Invoice Information	n		la ini	1	Lab	b Us	e On	ly	W.	10-		TA	T		State	e
Client: N	latador Prod	uction Co	ompany		Co	mpany: Ensolum LLC		L	ab W	VO#	,	9/4	Job I	Num	ber		1D	2D	3D Sto	NM	CO UT	TX
Project: '	Woolhead C	ТВ			Ac	dress: 3122 National Parks	Hwy	[	E5	0	0	1	23	003	S'CO	02			X	X		
Project N	lanager: Asl	nley Giov	engo		Cit	y, State, Zip: Carlsbad NM, 8	38220															
Address:	3122 Nation	nal Parks	Hwy		Ph	one: 575-988-0055							Ana	lysis	and	Meth	nod				A Progra	
City, State	e, Zip: Carls	bad NM,	88220		Er	nail: agiovengo@ensolum.	com				-	- 1					- 1			SDWA	CWA	RCRA
Phone: 5	75-988-005	5			Mis	scellaneous:														36.3		
Email: ag	giovengo@e	nsolum.c	om				12			8015	115									Complian	ce Y	or N
							j				9 80	21	o	0.0	5	×	tals		- 1	PWSID #		
				Sample	e Informati	on				80	80	y 80.	, 826	le 30	Z .	- 500	Me			-		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numb	ber	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	<del> </del>
12:00	1/14/2025	S	1			SS04 - 0'		1							Х							
10:57	1/14/2025	S	1			BH01 - 0'		2							Х							
11:00	1/14/2025	S	1			BH01 - 1'		3							Х				-			
11:07	1/14/2025	S	1			BH01 - 3'		4							х							
11:47	1/14/2025	S	1			BH01 - 5'		5							х							
11:57	1/14/2025	S	1			BH01 - 6.5'		6							х							
12:45	1/14/2025	S	1			BH02 - 0'		7							х							¥
12:50	1/14/2025	S	1	·		BH02 - 1'		T					71		х							
12:59	1/14/2025	S	1			BH02 - 3'		9							х							
13:36	1/14/2025	S	1			BH02 - 5'		10							х							
Addition	al Instructio	ns: Held	on Ice. Ple	ease CC: c	burton@ei	nsolum.com, agiovengo@en	solum.c	om, ies	trella	a@e	nsol	um.	om,	chai	nilto	n@e	nsol	um.c	om, bsi	mmons@e	ensolum.	com
	oler), attest to the		d authenticity o	f this sample.	I am aware th	at tampering with or intentionally misla	beling the s	ample loc	ation,	date c	or time	of co	llectio	n is coi	nsidere	ed frau	d and	may be	grounds f	or legal action	8	
	ed by: (Signatu	A DOWN	Date	5/25	me 8:30	Received by (Signature)	les Date	e -16:2	5	Time ()	830				sample		ceived			nust be received vg temp above		
Relinquish	ed by (Signatur	re)	P 1-14	e 25	me 1520	Received by: (Signature)	Date	.16.7	1	Time.	63	o				eived		ice:	()/	Jse Only N		
Relinguish	ed by: (Signatu	re)	Date	1.25	223	Received by Signature	Date	17.7	5	Time	5:15	5			<u>T1</u>				T2		<u>T3</u>	
Relinquish	ed by: (Signatu	re)	Date	Ti	ime	Received by: (Signature)	Date			Time						5 Ten						
Sample Mat	rix: <b>S</b> - Soil, <b>Sd</b> - S	olid, <b>Sg</b> - Slu	dge, <b>A</b> - Aqueou	us, <b>O</b> - Other				ntainer														
						r arrangements are made. Hazardo										e clier	nt exp	ense.	The repor	t for the ana	lysis of the	above





envirotech Inc.

Printed: 1/17/2025 10:26:56AM

#### **Envirotech Analytical Laboratory**

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:	01/17/25 0	08:15	Work Order ID:	E501101
Phone:	(972) 371-5200	Date Logged In:	01/16/25 1	3:34	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/23/25 1	7:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Cour	<u>ier</u>	
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		Comment	ts/Resolution
Sample T	<u>urn Around Time (TAT)</u>					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C			
Sample C	, <u>*</u>		_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contai		Yes			
Field Lab	•					
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		No			
	reservation					
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	amples required to get sent to a subcontract laborate	ory?	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: Na	A	
Client Ir	nstruction_					

Date

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

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: Wool Head CTB

Work Order: E501097

Job Number: 23003-0002

Received: 1/17/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/23/25

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: 1/23/25

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

Project Name: Wool Head CTB

Workorder: E501097

Date Received: 1/17/2025 8:15:11AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/17/2025 8:15:11AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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## **Sample Summary**

Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reporteu:	
	Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/23/25 09:49	

Client Sample ID	Lab Sample ID Ma	atrix	Sampled	Received	Container
SS01A-0'	E501097-01A S	Soil	01/14/25	01/17/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/23/2025 9:49:45AM

### SS01A-0' E501097-01

		E301077-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2503101
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: 4-Bromochlorobenzene-PID		86.8 %	70-130	01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2503101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2503109
Diesel Range Organics (C10-C28)	28.1	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane		114 %	50-200	01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: JM		Batch: 2503097
Chloride	37.6	20.0	1	01/17/25	01/17/25	



Wool Head CTB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 1/23/2025 9:49:45AM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2503101-BLK1) Prepared: 01/17/25 Analyzed: 01/21/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 6.68 8.00 83.6 70-130 LCS (2503101-BS1) Prepared: 01/17/25 Analyzed: 01/21/25 4.50 5.00 89.9 70-130 Benzene 0.0250 Ethylbenzene 4.45 0.0250 5.00 89.0 70-130 4.53 0.0250 5.00 90.7 70-130 Toluene o-Xylene 4.44 0.0250 5.00 88.9 70-130 9.08 10.0 90.8 70-130 0.0500 p.m-Xvlene 90.2 70-130 13.5 15.0 Total Xylenes 0.0250 8.00 86.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.88 Matrix Spike (2503101-MS1) Source: E501099-07 Prepared: 01/17/25 Analyzed: 01/21/25 4.50 0.0250 5.00 ND 90.1 54-133 Benzene ND 61-133 Ethylbenzene 4.43 0.0250 5.00 88.7 Toluene 4.52 0.0250 5.00 ND 90.5 61-130 4.45 ND 89.0 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.05 0.0500 10.0 ND 90.5 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.99 8.00 Matrix Spike Dup (2503101-MSD1) Source: E501099-07 Prepared: 01/17/25 Analyzed: 01/21/25 4.75 0.0250 5.00 ND 94.9 54-133 5.23 20 61-133 5.09 4.67 0.0250 5.00 ND 93.3 20 Ethylbenzene 61-130 Toluene 4 75 0.0250 5.00 ND 95.1 4 99 20 4.64 5.00 ND 92.8 63-131 4.22 20 o-Xylene 0.0250 9.51 10.0 ND 95.1 63-131 4.98 20

0.0500

0.0250

15.0

8.00

ND

94.4

87.0

63-131

70-130

4.73

20

14.2

6.96



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/23/2025 9:49:45AM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			1/2	3/2025 9:49:45AM
	Non		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
Blank (2503101-BLK1)							Prepared: 0	1/17/25 Anal	yzed: 01/21/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			
LCS (2503101-BS2)							Prepared: 0	1/17/25 Anal	yzed: 01/22/25
Gasoline Range Organics (C6-C10)	39.3	20.0	50.0		78.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			
Matrix Spike (2503101-MS2)				Source:	E501099-	07	Prepared: 0	1/17/25 Anal	yzed: 01/21/25
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			
Matrix Spike Dup (2503101-MSD2)				Source:	E501099-	07	Prepared: 0	1/17/25 Anal	yzed: 01/21/25
Gasoline Range Organics (C6-C10)	40.1	20.0	50.0	ND	80.1	70-130	4.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.4	70-130			

Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/23/2025 9:49:45AM

Danas 1A, 73240		Project Manager	i. As	mey Gloveng	;0				1/23/2023 9.49.43AF
	Nonha	logenated Or	ganics by l	EPA 8015E	D - DRO	ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2503109-BLK1)							Prepared: 0	1/17/25 A	Analyzed: 01/17/25
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	59.3		50.0		119	50-200			
LCS (2503109-BS1)							Prepared: 0	1/17/25 A	Analyzed: 01/17/25
riesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
urrogate: n-Nonane	54.9		50.0		110	50-200			
Matrix Spike (2503109-MS1)				Source:	E501099-0	02	Prepared: 0	1/17/25 A	Analyzed: 01/17/25
tiesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
urrogate: n-Nonane	60.2		50.0		120	50-200			
Matrix Spike Dup (2503109-MSD1)				Source:	E501099-0	02	Prepared: 0	1/17/25 A	Analyzed: 01/18/25
biesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	0.654	20	
	203	25.0		1.12	100	30 132		20	

Matrix Spike Dup (2503097-MSD1)

Chloride

#### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	: 23	ool Head CTI 3003-0002					Reported:
Dallas TX, 75240		Project Manager	r: A	shley Gioveng	go			1	/23/2025 9:49:45AM
		Anions	by EPA	300.0/9056 <i>A</i>	<b>A</b>				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2503097-BLK1)							Prepared: 0	1/17/25 An	alyzed: 01/17/25
Chloride	ND	20.0							
LCS (2503097-BS1)							Prepared: 0	1/17/25 An	alyzed: 01/17/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2503097-MS1)				Source:	E501105-	02	Prepared: 0	1/17/25 An	alyzed: 01/17/25
Chloride	284	100	250	ND	113	80-120			

250

100

Source: E501105-02

109

80-120

3.74

#### 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.



Prepared: 01/17/25 Analyzed: 01/17/25

20

### **Definitions and Notes**

l	Matador Resources, LLC.	Project Name:	Wool Head CTB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/23/25 09:49

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.



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	Clie	nt Inform	ation			Invoice Information	on				Lal	b Us	e On	ily				TA	ΛT.		IPRO I	State	
Client: N	Natador Prod	luction Co	ompany			Company: Ensolum LLC			Lab V	NO#				Num		1/4/	1D	2D	3D S	td	NM CO	UT	TX
	Woolhead C	House of				Address: 3122 National Parks	Hwy		E5	00	99	7	230	2031	8	Z			Х		X		
Project N	Manager: Asl	hley Giov	engo			City, State, Zip: Carlsbad NM,	88220												A MA				public Na
Address:	3122 Nation	nal Parks	Hwy			Phone: 575-988-0055					//		Ana	lysis	and	Met	hod				EPA P	rogra	m
City, Stat	e, Zip: Carls	bad NM,	88220			Email: agiovengo@ensolum	.com											1 4			SDWA C	:WA	RCRA
Phone: !	575-988-005	5			7,54	Miscellaneous:										- 1							
Email: a	giovengo@e	nsolum.c	om							15	15									-	Compliance	Y	or N
Contract to	District Control		7 7							/ 80	/ 80	-1	_	0.0	-	×	als				PWSID #		-V
				Sam	ple Infor	mation	9			30 b	30 b	802	826	300	N.	05 - T	Met						
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	La Num	b ber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Rei	marks	
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Addition	nal Instructio	ns: Held	on Ice. I	Please CO	C: cburton	@ensolum.com, agiovengo@e	nsolum.c	om, ie	strell	la@e	ensol	um.	com	, cha	milto	on@	ensol	lum.c	com, b	sim	mons@enso	olum.d	om
I, (field sam	pler), attest to the	e validity and	d authenticity	of this sam	ple. I am awa	are that tampering with or intentionally mis	labeling the s	ample lo	cation,	, date	or time	of co	ollectio	on is co	nsider	ed fra	ud and	may b	e ground	s for	legal action.	15.55 T	
20	: Bowan Simmons																						
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Cample A4	wine sailed s	alid Car Cla	dae A A	- O O		0 100 100	Co	ntainer	Type	o. b -	glass	p - 1	poly/	plast					v - VOA	9.00			N I W
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						with this COC. The liability of the labor																	





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envirotech Inc.

Printed: 1/17/2025 10:24:01AM

#### **Envirotech Analytical Laboratory**

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:	01/17/25	08:15	Work Order ID	e: E501097
Phone:	(972) 371-5200	Date Logged In:	01/16/25	13:16	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/23/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Cou	<u>urier</u>	
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		Commo	ents/Resolution
Sample T	<u>urn Around Time (TAT)</u>			Г		
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C			
Sample C	•	- F	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal	•					
	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes	L		
C	ollectors name?		No			
	reservation					
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	amples required to get sent to a subcontract laborato	ry?	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: 1	NA	
Client Ir	nstruction_					

Date

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

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: Wool Head CTB

Work Order: E502041

Job Number: 23003-0002

Received: 2/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/7/25

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: 2/7/25

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

Project Name: Wool Head CTB

Workorder: E502041

Date Received: 2/6/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/6/2025 6:00:00AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Client Representative

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#### Sample Summary

Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/07/25 14:33

Client Sample ID	Lab Sample ID Matrix	Sampled Re-	ceived Container	
BH01-8'	E502041-01A Soil	02/04/25 02/	/06/25 Glass Jar, 2 oz.	
BH01-10'	E502041-02A Soil	02/04/25 02/	/06/25 Glass Jar, 2 oz.	
BH01-12'	E502041-03A Soil	02/04/25 02/	/06/25 Glass Jar, 2 oz.	
BH01-14'	E502041-04A Soil	02/04/25 02/	/06/25 Glass Jar, 2 oz.	
BH01-16'	E502041-05A Soil	02/04/25 02/	/06/25 Glass Jar, 2 oz.	



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2025 2:33:39PM

#### BH01-8' E502041-01

		E302041-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2506084
Benzene	ND	0.0250	1	02/05/25	02/06/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/06/25	
Toluene	ND	0.0250	1	02/05/25	02/06/25	
o-Xylene	ND	0.0250	1	02/05/25	02/06/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/06/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/06/25	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	02/05/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2506084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.7 %	70-130	02/05/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2506085
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane		113 %	61-141	02/06/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2506082
Chloride	3090	40.0	2	02/06/25	02/06/25	



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2025 2:33:39PM

#### BH01-10' E502041-02

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2506084
ND	0.0250	1	02/05/25	02/06/25	
ND	0.0250	1	02/05/25	02/06/25	
ND	0.0250	1	02/05/25	02/06/25	
ND	0.0250	1	02/05/25	02/06/25	
ND	0.0500	1	02/05/25	02/06/25	
ND	0.0250	1	02/05/25	02/06/25	
	90.1 %	70-130	02/05/25	02/06/25	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2506084
ND	20.0	1	02/05/25	02/06/25	
	86.0 %	70-130	02/05/25	02/06/25	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2506085
ND	25.0	1	02/06/25	02/07/25	
ND	50.0	1	02/06/25	02/07/25	
	110 %	61-141	02/06/25	02/07/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2506082
2300	40.0	2	02/06/25	02/06/25	
	mg/kg ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0           86.0 %         mg/kg           ND         25.0           ND         50.0           110 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           90.1 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           86.0 %         70-130         1           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           110 %         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         02/05/25           ND         0.0250         1         02/05/25           ND         0.0250         1         02/05/25           ND         0.0250         1         02/05/25           ND         0.0500         1         02/05/25           ND         0.0250         1         02/05/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         02/05/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/05/25           ND         25.0         1         02/06/25           ND         50.0         1         02/06/25           ND         50.0         1         02/06/25           Mg/kg         Mg/kg         Analyst: DT	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         02/05/25         02/06/25           ND         0.0250         1         02/05/25         02/06/25           ND         0.0250         1         02/05/25         02/06/25           ND         0.0500         1         02/05/25         02/06/25           ND         0.0250         1         02/05/25         02/06/25           ND         0.0250         1         02/05/25         02/06/25           MD         0.0250         1         02/05/25         02/06/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         02/05/25         02/06/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         02/05/25         02/06/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/06/25         02/07/25           ND         50.0         1         02/06/25         02/07/25           ND         50.0



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2025 2:33:39PM

#### BH01-12'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2506084
Benzene	ND	0.0250	1	02/05/25	02/06/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/06/25	
Toluene	ND	0.0250	1	02/05/25	02/06/25	
o-Xylene	ND	0.0250	1	02/05/25	02/06/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/06/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/06/25	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	02/05/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2506084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	02/05/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2506085
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane		117 %	61-141	02/06/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2506082
Chloride	1920	20.0	1	02/06/25	02/06/25	•



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2025 2:33:39PM

#### BH01-14' E502041-04

		E302041-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2506084
Benzene	ND	0.0250	1	02/05/25	02/06/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/06/25	
Toluene	ND	0.0250	1	02/05/25	02/06/25	
o-Xylene	ND	0.0250	1	02/05/25	02/06/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/06/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/06/25	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	02/05/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2506084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.8 %	70-130	02/05/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2506085
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane		111 %	61-141	02/06/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2506082
Chloride	2200	40.0	2	02/06/25	02/06/25	



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2025 2:33:39PM

#### BH01-16' E502041-05

	1302041 03				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2506084
ND	0.0250	1	02/06/25	02/06/25	
ND	0.0250	1	02/06/25	02/06/25	
ND	0.0250	1	02/06/25	02/06/25	
ND	0.0250	1	02/06/25	02/06/25	
ND	0.0500	1	02/06/25	02/06/25	
ND	0.0250	1	02/06/25	02/06/25	
	92.1 %	70-130	02/06/25	02/06/25	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2506084
ND	20.0	1	02/05/25	02/06/25	
	86.1 %	70-130	02/05/25	02/06/25	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2506085
ND	25.0	1	02/06/25	02/06/25	
ND	50.0	1	02/06/25	02/06/25	
	110 %	61-141	02/06/25	02/06/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2506082
2620	40.0	2	02/06/25	02/06/25	
	mg/kg ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           MD         20.0           86.1 %         mg/kg           ND         25.0           ND         50.0           110 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           92.1 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           86.1 %         70-130         1           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           110 %         61-141         61-141           mg/kg         mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         02/06/25           ND         0.0250         1         02/06/25           ND         0.0250         1         02/06/25           ND         0.0500         1         02/06/25           ND         0.0250         1         02/06/25           ND         0.0250         1         02/06/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         02/05/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/06/25           ND         50.0         1         02/06/25           ND         50.0         1         02/06/25           ND         50.0         1         02/06/25           Mg/kg         Mg/kg         Analyst: DT	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         02/06/25         02/06/25           ND         0.0250         1         02/06/25         02/06/25           ND         0.0250         1         02/06/25         02/06/25           ND         0.0500         1         02/06/25         02/06/25           ND         0.0250         1         02/06/25         02/06/25           ND         0.0250         1         02/06/25         02/06/25           MD         0.0250         1         02/06/25         02/06/25           MD         0.0250         1         02/06/25         02/06/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         02/05/25         02/06/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/06/25         02/06/25           ND         25.0         1         02/06/25         02/06/25           ND         50.0         1         02/06/25         02/06/25           <



Surrogate: 4-Bromochlorobenzene-PID

## **QC Summary Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	-
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2025 2:33:39PM

Dallas TX, 75240		Project Manager:	As	shley Gioveng	o				2/7/2025 2:33:39PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2506084-BLK1)							Prepared: 0	2/05/25 A	nalyzed: 02/05/25
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	7.29		8.00		91.1	70-130			
LCS (2506084-BS1)							Prepared: 0	2/05/25 A	nalyzed: 02/05/25
Benzene	5.55	0.0250	5.00		111	70-130			
Ethylbenzene	5.33	0.0250	5.00		107	70-130			
Toluene	5.45	0.0250	5.00		109	70-130			
o-Xylene	5.32	0.0250	5.00		106	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			
LCS Dup (2506084-BSD1)							Prepared: 0	2/05/25 A	nalyzed: 02/05/25
Benzene	5.43	0.0250	5.00		109	70-130	2.05	20	
Ethylbenzene	5.23	0.0250	5.00		105	70-130	1.94	20	
Toluene	5.35	0.0250	5.00		107	70-130	2.02	20	
o-Xylene	5.24	0.0250	5.00		105	70-130	1.58	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	1.85	20	
Total Xylenes	15.9	0.0250	15.0		106	70-130	1.76	20	

70-130



Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2025 2:33:39PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			2/7	7/2025 2:33:39PM
	Non	Analyst: BA							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2506084-BLK1)							Prepared: 0	2/05/25 Analy	yzed: 02/05/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130			
LCS (2506084-BS2)							Prepared: 0	2/05/25 Analy	yzed: 02/05/25
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0		80.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			
LCS Dup (2506084-BSD2)							Prepared: 0	2/05/25 Analy	yzed: 02/05/25
Gasoline Range Organics (C6-C10)	42.3	20.0	50.0		84.7	70-130	4.93	20	

70-130

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Wool Head CTB 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/7/2025 2:33:39PM

Dallas TX, 75240		Project Manager	r: As	hley Gioveng	go				2/7/2025 2:33:39PM
	Nonha	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
Blank (2506085-BLK1)							Prepared: 0	2/06/25 A	Analyzed: 02/06/25
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	57.0		50.0		114	61-141			
LCS (2506085-BS1)							Prepared: 0	2/06/25 A	Analyzed: 02/06/25
Diesel Range Organics (C10-C28)	298	25.0	250		119	66-144			
urrogate: n-Nonane	58.3		50.0		117	61-141			
LCS Dup (2506085-BSD1)							Prepared: 0	2/06/25 A	Analyzed: 02/06/25
Diesel Range Organics (C10-C28)	294	25.0	250		118	66-144	1.17	20	
urrogate: n-Nonane	58.2		50.0		116	61-141			

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Number: Project Manager:	Wool Head CTB 23003-0002 Ashley Giovengo	<b>Reported:</b> 2/7/2025 2:33:39PM
	Analyst: DT		

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2506082-BLK1)							Prepared: 0	2/06/25 A	Analyzed: 02/06/25
Chloride	ND	20.0							
LCS (2506082-BS1)							Prepared: 0	2/06/25 A	Analyzed: 02/06/25
Chloride	254	20.0	250		102	90-110			
LCS Dup (2506082-BSD1)							Prepared: 0	2/06/25 A	Analyzed: 02/06/25
Chloride	255	20.0	250		102	90-110	0.253	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:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/07/25 14:33

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.



	Page	_/	_ of .	Rec
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CV	VA	RC	RA	7/9
2	Υ	or	N	7/9/2025
Rem	narks			12:00:31 AM
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	Clie	nt Inform	nation		I/Viii	Invoice Informatio	n			194	La			Lawrence of the second						State
Client: Matador Production Company Comp				mpany: Ensolum LLC		[	Lab WO# Job Nur					Numl	oer	7	1D 2D 3D 5		3D Std	NM CO UT TX		
Project:	Wool Head C	ТВ			-				E502041 230					03'	umber 03.000 Z			X		X
Project N	/lanager: Ash	nley Giove	engo		77.50	ty, State, Zip: Carlsbad NM,	88220				1776		74181		18.					
Address:	3122 Nation	nal Parks	Hwy		Ph	one: 575-988-0055							Ana	lysis	and	Met	hod			EPA Program
	e, Zip: Carlsl		88220		Er	mail: agiovengo@ensolum	.com													SDWA CWA RCRA
	575-988-005				Mis	cellaneous:														
Email: a	giovengo@e	nsolum.co	om					انسا		015	015									Compliance Y or N
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Time Sampled	Date Sampled	Matrix	No. of Contains	rs		Sample ID	Field	Lat Num	b ber	DRO/ORO	GRO/DRO by 8015	ВТЕХ ЬУ 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks
14/7	214/25	5	1		BHC	1 - 8'		1							X					
1438	2/4/25	5	1		BHO	1 - 101		2							X					
1502	2/4/25	S	- [		BHO	1 - 12'		3							X					
1522	2/4/25	S	1		BItC	01 - 14'		4							X					
1555	2/4/25	S	1		BItC	01-16		5							X					This sample 24 hour rush
			10							7										
							1													
Addition	al Instructio	ns: Plea	se CC:	cburton@e	nsolum.com.	agiovengo@ensolum.com, o	hamilton	@enso	olum	.com	n. ies	trell	a@e	nsolu	ım.c	om,	bdea	l@en	solum.c	om,
0.0	ns@ensolum					,												_		
			d authenti	city of this samp	ole. I am aware tha	t tampering with or intentionally misla	beling the sa	mple loca	ation, o	date o	r time	of col	lection	is con	sidere	d frauc	and m	nay be g	rounds for	legal action.
Sampled by	:Chad Ham	ilton																		
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(	-			15/25	1045	Michelle Gonza		2-5-2	15	_	CHC				sample	ed or re	ceived p	раскей іг		g temp above 0 but less than 6 °C on
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						arrangements are made. Hazardous ne liability of the laboratory is limite							osed	of at t	he cli	ent ex	pense	. The r	eport for	the analysis of the above samples is



enviroteclient expense. The report for the analysis of the above samples is

envirotech Inc.

Printed: 2/6/2025 9:05:26AM

#### **Envirotech Analytical Laboratory**

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:	02/06/25 0	6:00	Work Order ID:	E502041
Phone:	(972) 371-5200	Date Logged In:	02/05/25 13	3:58	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/06/25 1	7:00 (0 day TAT)		
Chain of	Custody (COC)					
			Yes			
	ne sample ID match the COC? The number of samples per sampling site location ma	tch the COC				
	amples dropped off by client or carrier?	ion inc coc	Yes Yes	Comion C	Yazanian	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: <u>C</u>	<u>courier</u>	
	Il samples received within holding time?	,	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssis.	•			Commen	ts/Resolution
Sample T	<u>urn Around Time (TAT)</u>				C1: C	1. #5 This
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Client comments- Samp	ole #5 This sample
Sample C					24 hour rush.	
	sample cooler received?		Yes			
•	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C	•	•	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	<u>oel</u>					
20. Were	field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes	•		
	ollectors name?		Yes			
	Preservation the COC or field labels indicate the samples were p	recerved?	No			
	ample(s) correctly preserved?	reserved:	NA			
	filteration required and/or requested for dissolved n	netals?	No			
	se Sample Matrix		110			
	the sample have more than one phase, i.e., multipha	se?	Na			
	, does the COC specify which phase(s) is to be analy		No			
		yzcu.	NA			
	act Laboratory					
	amples required to get sent to a subcontract laborato	-	No			
29. Was a	subcontract laboratory specified by the client and is	f so who?	NA	Subcontract Lab	o: NA	
Client In	<u>istruction</u>					

Date

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

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: Wool Head CTB

Work Order: E502247

Job Number: 23003-0002

Received: 2/26/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/4/25

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: 3/4/25

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

Project Name: Wool Head CTB

Workorder: E502247

Date Received: 2/26/2025 4:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/26/2025 4:30:00AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

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**Michelle Gonzales** 

Client Representative Office: 505-421-LABS(5227)

3111ee: 303 121 E11B3(32

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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#### **Sample Summary**

Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Donoutodi
١	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/04/25 07:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-18'	E502247-01A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/4/2025 7:49:53AM

#### BH01-18' E502247-01

		E302247-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2509065
Benzene	ND	0.0250	1	02/26/25	02/27/25	
Ethylbenzene	ND	0.0250	1	02/26/25	02/27/25	
Toluene	ND	0.0250	1	02/26/25	02/27/25	
o-Xylene	ND	0.0250	1	02/26/25	02/27/25	
p,m-Xylene	ND	0.0500	1	02/26/25	02/27/25	
Total Xylenes	ND	0.0250	1	02/26/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		82.5 %	70-130	02/26/25	02/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2509065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/26/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	02/26/25	02/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	llyst: HM		Batch: 2509077
Diesel Range Organics (C10-C28)	56.5	25.0	1	02/26/25	02/26/25	
Oil Range Organics (C28-C36)	50.4	50.0	1	02/26/25	02/26/25	
Surrogate: n-Nonane		103 %	61-141	02/26/25	02/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2509069
Chloride	613	20.0	1	02/26/25	02/26/25	

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

#### **QC Summary Data**

		QC D	инни	ny Data	и				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ool Head CTI 003-0002 shley Gioveng					<b>Reported:</b> 3/4/2025 7:49:53AM
Volatile Organics by EPA 8021B							Analyst: SL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509065-BLK1)						P	repared: 02	2/26/25 Ar	nalyzed: 02/27/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Coluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							

I CG (25000(5 PG1)					D 1.02	26/25 A 1 1 02/27/25
LCS (2509065-BS1)					Prepared: 02/	26/25 Analyzed: 02/27/25
Benzene	5.13	0.0250	5.00	103	70-130	
Ethylbenzene	4.95	0.0250	5.00	99.1	70-130	
Toluene	5.07	0.0250	5.00	101	70-130	
o-Xylene	4.91	0.0250	5.00	98.2	70-130	
p,m-Xylene	10.1	0.0500	10.0	101	70-130	
Total Xylenes	15.0	0.0250	15.0	99.8	70-130	
Surrogate: 4-Bromochlorobenzene-PID	6.69		8.00	83.6	70-130	

8.00

85.1

70-130

ND

6.81

0.0250

Matrix Spike (2509065-MS1)				Source:	E502243-0	01	Prepared: 02/26/25 Analyzed: 02/27/25
Benzene	5.26	0.0250	5.00	ND	105	54-133	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	
Toluene	5.21	0.0250	5.00	ND	104	61-130	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131	
Surrogate: 4-Bromochlorobenzene-PID	6.92		8.00		86.5	70-130	

Matrix Spike Dup (2509065-MSD1)				Source:	E502243-0	01	Prepared: 02	2/26/25 Analyzed: 02/27/25
Benzene	5.68	0.0250	5.00	ND	114	54-133	7.60	20
Ethylbenzene	5.48	0.0250	5.00	ND	110	61-133	7.54	20
Toluene	5.61	0.0250	5.00	ND	112	61-130	7.40	20
o-Xylene	5.44	0.0250	5.00	ND	109	63-131	7.54	20
p,m-Xylene	11.1	0.0500	10.0	ND	111	63-131	7.50	20
Total Xylenes	16.6	0.0250	15.0	ND	110	63-131	7.51	20
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.2	70-130		

Surrogate: 1-Chloro-4-fluorobenzene-FID

#### **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/4/20257:49:53AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go				3/4/2025 7:49:53AM		
	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		
Blank (2509065-BLK1)							Prepared: 0	2/26/25 An	alyzed: 02/27/25		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130					
LCS (2509065-BS2)							Prepared: 0	2/26/25 An	alyzed: 02/27/25		
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130					
Matrix Spike (2509065-MS2)				Source:	E502243-	01	Prepared: 0	2/26/25 An	alyzed: 02/27/25		
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.7	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130					
Matrix Spike Dup (2509065-MSD2)				Source:	E502243-	01	Prepared: 0	2/26/25 An	alyzed: 02/27/25		
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.9	70-130	6.40	20			

8.00

7.38

92.2

70-130

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/4/2025 7:49:53AM

Danas 1X, 73240		1 Toject Ivianage	. As	micy Gloveng	30				7 17 2023 7.19.33711
	Nonha	logenated Or	ganics by l	EPA 8015I	O - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509077-BLK1)							Prepared: 0	2/26/25 Ana	alyzed: 02/26/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.5		50.0		103	61-141			
LCS (2509077-BS1)							Prepared: 0	2/26/25 Ana	alyzed: 02/26/25
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	52.1		50.0		104	61-141			
Matrix Spike (2509077-MS1)				Source:	E502247-0	01	Prepared: 0	2/26/25 Ana	alyzed: 02/26/25
Diesel Range Organics (C10-C28)	363	25.0	250	56.5	123	56-156			
Surrogate: n-Nonane	54.1		50.0		108	61-141			
Matrix Spike Dup (2509077-MSD1)				Source:	E502247-	01	Prepared: 0	2/26/25 Ana	alyzed: 02/26/25
Diesel Range Organics (C10-C28)	397	25.0	250	56.5	136	56-156	8.99	20	
Surrogate: n-Nonane	51.6		50.0		103	61-141			

Chloride

#### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2	ool Head CTE 3003-0002 shley Gioveng					<b>Reported:</b> 3/4/2025 7:49:53AM	
		Anions	by EPA	300.0/9056 <i>A</i>					Analyst: AK	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2509069-BLK1)							Prepared: 0	2/26/25 A	analyzed: 02/26/25	
Chloride	ND	20.0								
LCS (2509069-BS1)							Prepared: 0	2/26/25 A	analyzed: 02/26/25	
Chloride	255	20.0	250		102	90-110				
Matrix Spike (2509069-MS1)				Source:	E502242-	03	Prepared: 0	2/26/25 A	analyzed: 02/26/25	
Chloride	387	20.0	250	135	101	80-120				
Matrix Spike Dup (2509069-MSD1)				Source:	E502242-	03	Prepared: 0	2/26/25 A	analyzed: 02/26/25	

250

20.0

135

100

80-120

0.205

20

386

#### 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**

l	Matador Resources, LLC.	Project Name:	Wool Head CTB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/04/25 07:49

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.



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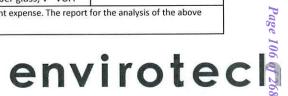
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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.



Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

AVG Temp °C



Printed: 2/26/2025 9:58:03AM

#### **Envirotech Analytical Laboratory**

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:	02/26/25	04:30		Work Order ID:	E502247
Phone:	(972) 371-5200	Date Logged In:	02/25/25	15:02		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/04/25	17:00 (4 day TAT)			
Chain of Custody (COC)							
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were samples dropped off by client or carrier?			Yes	Carrier: <u>C</u>	ourier		
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?			Yes				
<ol> <li>Were all samples received within holding time?</li> <li>Note: Analysis, such as pH which should be conducted in the field,</li> <li>i.e, 15 minute hold time, are not included in this disucssion.</li> </ol>		Yes			<u>Comments</u>	s/Resolution	
Sample T	urn Around Time (TAT)			[			
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C				
Sample Container							
	queous VOC samples present?		No				
	OC 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				
	appropriate volume/weight or number of sample contai		Yes				
Field Label							
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
	reservation						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborate	ory?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
Client Instruction							

Date

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: Wool Head CTB

Work Order: E502248

Job Number: 23003-0002

Received: 2/26/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/4/25

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: 3/4/25

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

Project Name: Wool Head CTB

Workorder: E502248

Date Received: 2/26/2025 4:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/26/2025 4:30:00AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

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ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## **Sample Summary**

Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:	
ı	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reporteu.	
	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/04/25 07:51	

Client Sample ID	Lab Sample ID M	Matrix	Sampled	Received	Container
BH01-20'	E502248-01A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.



# **Sample Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/4/2025 7:51:46AM

## BH01-20' E502248-01

		E302240-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2509065
Benzene	ND	0.0250	1	02/26/25	02/27/25	
Ethylbenzene	ND	0.0250	1	02/26/25	02/27/25	
Toluene	ND	0.0250	1	02/26/25	02/27/25	
o-Xylene	ND	0.0250	1	02/26/25	02/27/25	
p,m-Xylene	ND	0.0500	1	02/26/25	02/27/25	
Total Xylenes	ND	0.0250	1	02/26/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		82.2 %	70-130	02/26/25	02/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2509065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/26/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	02/26/25	02/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: HM		Batch: 2509077
Diesel Range Organics (C10-C28)	59.1	25.0	1	02/26/25	02/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/26/25	02/26/25	
Surrogate: n-Nonane		105 %	61-141	02/26/25	02/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: AK		Batch: 2509069
Chloride	2610	40.0	2	02/26/25	02/26/25	

## **QC Summary Data**

Wool Head CTB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 3/4/2025 7:51:46AM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2509065-BLK1) Prepared: 02/26/25 Analyzed: 02/27/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 6.81 8.00 85.1 70-130 LCS (2509065-BS1) Prepared: 02/26/25 Analyzed: 02/27/25 5.13 5.00 103 70-130 0.0250 Benzene Ethylbenzene 4.95 0.0250 5.00 99.1 70-130 70-130 5.07 0.0250 5.00 101 Toluene 98.2 70-130 o-Xylene 4.91 0.0250 5.00 10.1 10.0 101 70-130 0.0500 p.m-Xvlene 99.8 70-130 15.0 0.0250 15.0 Total Xylenes 8.00 83.6 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.69 Source: E502243-01 Matrix Spike (2509065-MS1) Prepared: 02/26/25 Analyzed: 02/27/25 Benzene 5.26 0.0250 5.00 ND 54-133 102 ND 61-133 Ethylbenzene 5.08 0.0250 5.00 Toluene 5.21 0.0250 5.00 ND 104 61-130 5.04 5.00 ND 101 63-131 o-Xylene 0.0250 p,m-Xylene 10.3 0.0500 10.0 ND 103 63-131 Total Xylenes 0.0250 ND 102 63-131

Surrogate: 4-Bromochlorobenzene-PID	6.92		8.00		86.5	70-130		
Matrix Spike Dup (2509065-MSD1)				Source:	E502243-	01	Prepared: 02	2/26/25 Analyzed: 02/27/25
Benzene	5.68	0.0250	5.00	ND	114	54-133	7.60	20
Ethylbenzene	5.48	0.0250	5.00	ND	110	61-133	7.54	20
Toluene	5.61	0.0250	5.00	ND	112	61-130	7.40	20
o-Xylene	5.44	0.0250	5.00	ND	109	63-131	7.54	20
p,m-Xylene	11.1	0.0500	10.0	ND	111	63-131	7.50	20
Total Xylenes	16.6	0.0250	15.0	ND	110	63-131	7.51	20
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.2	70-130		

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/4/2025 7:51:46AM

Dallas TX, 75240		Project Manage	r: As	shley Giovenş	go			3/-	4/2025 7:51:46AM
	Nor	halogenated	Organics	by EPA 80	15D - G	RO			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
Blank (2509065-BLK1)							Prepared: 0	2/26/25 Anal	yzed: 02/27/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			
LCS (2509065-BS2)							Prepared: 0	2/26/25 Anal	yzed: 02/27/25
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			
Matrix Spike (2509065-MS2)				Source:	E502243-	01	Prepared: 0	2/26/25 Anal	yzed: 02/27/25
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2509065-MSD2)				Source:	E502243-	01	Prepared: 0	2/26/25 Anal	yzed: 02/27/25
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.9	70-130	6.40	20	

8.00

7.38

92.2

70-130

# **QC Summary Data**

Wool Head CTB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 3/4/2025 7:51:46AM Dallas TX, 75240 Project Manager: Ashley Giovengo

, , •					<b>5</b> -				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509077-BLK1)							Prepared: 0	2/26/25 Aı	nalyzed: 02/26/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.5		50.0		103	61-141			
LCS (2509077-BS1)							Prepared: 0	2/26/25 A1	nalyzed: 02/26/25
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	52.1		50.0		104	61-141			
Matrix Spike (2509077-MS1)				Source:	E502247-0	01	Prepared: 0	2/26/25 A1	nalyzed: 02/26/25
Diesel Range Organics (C10-C28)	363	25.0	250	56.5	123	56-156			
Surrogate: n-Nonane	54.1		50.0		108	61-141			
Matrix Spike Dup (2509077-MSD1)				Source:	E502247-0	01	Prepared: 0	2/26/25 A1	nalyzed: 02/26/25
Diesel Range Organics (C10-C28)	397	25.0	250	56.5	136	56-156	8.99	20	
Surrogate: n-Nonane	51.6		50.0		103	61-141			

Chloride

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2:	ool Head CTE 3003-0002 shley Gioveng					<b>Reported:</b> 3/4/2025 7:51:46AM
		Anions	by EPA	300.0/9056 <i>A</i>	<b>\</b>				Analyst: AK
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2509069-BLK1)							Prepared: 0	2/26/25 A	nalyzed: 02/26/25
Chloride	ND	20.0							
LCS (2509069-BS1)							Prepared: 0	2/26/25 A	nalyzed: 02/26/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2509069-MS1)				Source:	E502242-	03	Prepared: 0	2/26/25 A	nalyzed: 02/26/25
Chloride	387	20.0	250	135	101	80-120			
Matrix Spike Dup (2509069-MSD1)				Source:	E502242-	03	Prepared: 0	2/26/25 A	nalyzed: 02/26/25

250

20.0

135

100

80-120

0.205

#### 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**

l	Matador Resources, LLC.	Project Name:	Wool Head CTB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/04/25 07:51

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.

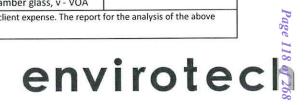


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	Client Information					Invoice Information			H.		La	b Us	e On	ly			TAT			State			
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2	3122 Nation					one: 575-988-0055							Ana	lysis	and	Met	hod				EPA	Progra	m
	e, Zip: Carls					ail: agiovengo@ensolum.c	om														SDWA	CWA	RCRA
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Addition	nal Instructio	ns: Plea	ase CC	cburton@e	nsolum.com.	agiovengo@ensolum.com,	hamilt	on@er	nsoli	um.c	om.	iestr	ella@	ens	ouln	ı.cor	n, bs	imm	ions@	ens	olum.com	,	
						ensolum.com		- 3			1.5												
I, (field sam	pler), attest to the	validity and	dauthent	icity of this samp	le. I am aware tha	t tampering with or intentionally mislab	ling the sa	ample loc	cation	, date	or time	e of co	llectio	n is co	nsidere	ed frau	d and	may b	e grour	nds for	r legal action.		
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Sample Ma	trix: <b>S</b> - Soil, <b>Sd</b> - S	olid, Sg - Slu	dge, A - A	Iqueous, <b>0</b> - Othe	Ier		Cor	ntainer	Тур	e: g -	glass	, p - I	ooly/	olasti	c, ag	- aml	ber gl	ass,	v - VO	Α			201
						arrangements are made. Hazardou															for the analy	sis of the	above
samples is	applicable only	to those s	amples	received by the	laboratory with	this COC. The liability of the labora	tory is lin	nited to	the a	mour	nt paid	d for o	n the	repo	rt.								





envirotech Inc.

Printed: 2/26/2025 9:59:17AM

### **Envirotech Analytical Laboratory**

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:	02/26/25	04:30		Work Order ID:	E502248
Phone:	(972) 371-5200	Date Logged In:	02/25/25	15:04		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/04/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>ourier</u>		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>			Γ			
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C				
Sample C	•	- F	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal	•						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
	reservation						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborato	ry?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab:	: NA		
Client Ir	nstruction_						

Date

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

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: Wool Head CTB

Work Order: E502249

Job Number: 23003-0002

Received: 2/26/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/4/25

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: 3/4/25

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

Project Name: Wool Head CTB

Workorder: E502249

Date Received: 2/26/2025 4:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/26/2025 4:30:00AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Lynn Jarboe

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ljarboe@envirotech-inc.com

**Michelle Gonzales** 

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## **Sample Summary**

Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Donoutodi
١	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/04/25 07:56

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-22'	E502249-01A	Soil	02/24/25	02/26/25	Glass Jar, 2 oz.



# **Sample Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/4/2025 7:56:34AM

## BH01-22' E502249-01

		E302247-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2509065
Benzene	ND	0.0250	1	02/26/25	02/27/25	
Ethylbenzene	ND	0.0250	1	02/26/25	02/27/25	
Toluene	ND	0.0250	1	02/26/25	02/27/25	
o-Xylene	ND	0.0250	1	02/26/25	02/27/25	
p,m-Xylene	ND	0.0500	1	02/26/25	02/27/25	
Total Xylenes	ND	0.0250	1	02/26/25	02/27/25	
Surrogate: 4-Bromochlorobenzene-PID		82.2 %	70-130	02/26/25	02/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2509065
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/26/25	02/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	02/26/25	02/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: HM		Batch: 2509077
Diesel Range Organics (C10-C28)	42.6	25.0	1	02/26/25	02/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/26/25	02/26/25	
Surrogate: n-Nonane		103 %	61-141	02/26/25	02/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2509069
Chloride	3020	40.0	2	02/26/25	02/26/25	

## **QC Summary Data**

Matador Resources, LLC. Wool Head CTB Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 3/4/2025 7:56:34AM **Volatile Organics by EPA 8021B** Analyst: SL Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2509065-BLK1) Prepared: 02/26/25 Analyzed: 02/27/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 6.81 8.00 85.1 70-130 LCS (2509065-BS1) Prepared: 02/26/25 Analyzed: 02/27/25 5.13 5.00 103 70-130 0.0250 Benzene Ethylbenzene 4.95 0.0250 5.00 99.1 70-130 5.07 70-130 0.0250 5.00 101 Toluene 4.91 98.2 70-130 o-Xylene 0.0250 5.00 10.1 0.0500 10.0 101 70-130 p,m-Xylene 99.8 70-130 15.0 0.0250 15.0 Total Xylenes 70-130 8.00 83.6 Surrogate: 4-Bromochlorobenzene-PID 6.69

<b>Matrix Spike (2509065-MS1)</b>				Source:	E502243-0	01	Prepared: 02/26/25 Analyzed: 02/27/25
Benzene	5.26	0.0250	5.00	ND	105	54-133	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	
Toluene	5.21	0.0250	5.00	ND	104	61-130	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131	
Surrogate: 4-Bromochlorobenzene-PID	6.92		8.00		86.5	70-130	

Matrix Spike Dup (2509065-MSD1)	Source:	E502243-	01	Prepared: 02	2/26/25 Analyzed: 02/27/25			
Benzene	5.68	0.0250	5.00	ND	114	54-133	7.60	20
Ethylbenzene	5.48	0.0250	5.00	ND	110	61-133	7.54	20
Toluene	5.61	0.0250	5.00	ND	112	61-130	7.40	20
o-Xylene	5.44	0.0250	5.00	ND	109	63-131	7.54	20
p,m-Xylene	11.1	0.0500	10.0	ND	111	63-131	7.50	20
Total Xylenes	16.6	0.0250	15.0	ND	110	63-131	7.51	20
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.2	70-130		

Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/4/20257:56:34AM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			3/-	4/2025 7:56:34AM
	Nor		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
	mg kg	mg kg	mg/kg	ту ку	70	/0	70	70	Notes
Blank (2509065-BLK1)							Prepared: 0	2/26/25 Anal	yzed: 02/27/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			
LCS (2509065-BS2)							Prepared: 0	2/26/25 Anal	lyzed: 02/27/25
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			
Matrix Spike (2509065-MS2)				Source:	E502243-	01	Prepared: 0	2/26/25 Anal	lyzed: 02/27/25
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2509065-MSD2)				Source:	E502243-	01	Prepared: 0	2/26/25 Anal	lyzed: 02/27/25
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.9	70-130	6.40	20	

8.00

7.38

92.2

70-130

# **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/4/2025 7:56:34AM

Dullus 171, 752 10		r roject ivianage.		iney Groveng	-				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509077-BLK1)							Prepared: 0	2/26/25 Anal	yzed: 02/26/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.5		50.0		103	61-141			
LCS (2509077-BS1)							Prepared: 0	2/26/25 Anal	yzed: 02/26/25
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	52.1		50.0		104	61-141			
Matrix Spike (2509077-MS1)				Source:	E502247-0	01	Prepared: 0	2/26/25 Anal	yzed: 02/26/25
Diesel Range Organics (C10-C28)	363	25.0	250	56.5	123	56-156			
Surrogate: n-Nonane	54.1		50.0		108	61-141			
Matrix Spike Dup (2509077-MSD1)				Source:	E502247-0	01	Prepared: 0	2/26/25 Anal	yzed: 02/26/25
Diesel Range Organics (C10-C28)	397	25.0	250	56.5	136	56-156	8.99	20	
Surrogate: n-Nonane	51.6		50.0		103	61-141			



Chloride

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ool Head CTI 003-0002 shley Gioveng					<b>Reported:</b> 3/4/2025 7:56:34AM
		Anions	by EPA 3	00.0/9056	<b>\</b>				Analyst: AK
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2509069-BLK1)							Prepared: 0	2/26/25 A	nalyzed: 02/26/25
Chloride	ND	20.0							
LCS (2509069-BS1)							Prepared: 0	2/26/25 A	nalyzed: 02/26/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2509069-MS1)				Source:	E502242-	03	Prepared: 0	2/26/25 A	nalyzed: 02/26/25
Chloride	387	20.0	250	135	101	80-120			
Matrix Snike Dun (2509069-MSD1)				Source	E502242-	03	Prepared: 0	2/26/25 A	nalyzed: 02/26/25

250

20.0

80-120

0.205

100

#### 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**

Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
١	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/04/25 07:56

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.

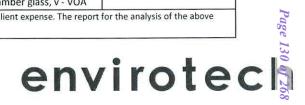


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لي_	ed by: (Signatu	H.	2 Date	.25.13	133 Time	Received by: (Signature)	2- Date	26-Z	5	Time	130	)			T1	G Ter	np°(		<u>T2</u>		<u>T3</u>	
Sample Mat	rix: S - Soil, Sd - S	olid, Sg - Slui	dge, A - Aqu	eous, <b>0</b> - Oth	er		Cor	ntainer	Тур	e: g -	glass	, p -	ooly/	plast					v - VOA			
Note: Sam	ples are discard	led 14 days	after resu	lts are repor	rted unless ot	ner arrangements are made. Hazardo	us sample:	s will be	retu	rned	to clie	nt or	dispo	sed o	f at th					for the ana	lysis of the	above





Printed: 2/26/2025 10:00:30AM

### **Envirotech Analytical Laboratory**

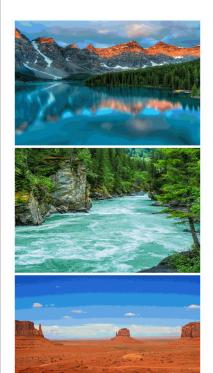
Sample Receipt Checklist (SRC)

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:	02/26/25 (	04:30		Work Order ID:	E502249
Phone:	(972) 371-5200	Date Logged In:	02/25/25 1	15:07		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/04/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mate	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	`ourier		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	currer. <u>c</u>	<del>Jour ICI</del>		
	Il samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion					Comment	s/Resolution
Sample T	Turn Around Time (TAT)						
6. Did the	e 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 th	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	•	temperature. 1	<u> </u>				
	Container queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal		ers conected:	105				
	field sample labels filled out with the minimum infor	rmation:					
	ample ID?	mation.	Yes				
	rate/Time Collected?		Yes	l			
C	ollectors name?		Yes				
Sample I	Preservation_						
21. Does	the COC or field labels indicate the samples were pro-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	· NA		
				Successified Euro	,, 1411		
Chent II	<u>nstruction</u>						

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: Wool Head CTB

Work Order: E503135

Job Number: 23003-0002

Received: 3/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/20/25

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: 3/20/25

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

Project Name: Wool Head CTB

Workorder: E503135

Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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mgonzales@envirotech-inc.com

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## **Sample Summary**

_				
Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
ı	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:18

Client Sample ID	Lab Sample ID N	Matrix	Sampled	Received	Container
BH01-25'	E503135-01A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.



# **Sample Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 12:18:25PM

## BH01-25' E503135-01

		E303133-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2512006
Benzene	ND	0.0250	1	03/17/25	03/17/25	
Ethylbenzene	ND	0.0250	1	03/17/25	03/17/25	
Toluene	ND	0.0250	1	03/17/25	03/17/25	
o-Xylene	ND	0.0250	1	03/17/25	03/17/25	
p,m-Xylene	ND	0.0500	1	03/17/25	03/17/25	
Total Xylenes	ND	0.0250	1	03/17/25	03/17/25	
Surrogate: 4-Bromochlorobenzene-PID		79.7 %	70-130	03/17/25	03/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2512006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/25	03/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	03/17/25	03/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2512026
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		109 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2512052
Chloride	3470	40.0	2	03/18/25	03/19/25	

Toluene

## **QC Summary Data**

Wool Head CTB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 3/20/2025 12:18:25PM **Volatile Organics by EPA 8021B** Analyst: SL Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2512006-BLK1) Prepared: 03/17/25 Analyzed: 03/17/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 5.96 8.00 74.5 70-130 LCS (2512006-BS1) Prepared: 03/17/25 Analyzed: 03/17/25 70-130 4.44 5.00 88.7 0.0250 Benzene Ethylbenzene 4.37 0.0250 5.00 87.4 70-130

o-Xylene	4.33	0.0250	5.00		87.0	/0-130	
p,m-Xylene	8.89	0.0500	10.0		88.9	70-130	
Total Xylenes	13.2	0.0250	15.0		88.3	70-130	
Surrogate: 4-Bromochlorobenzene-PID	6.33		8.00		79.1	70-130	
Matrix Spike (2512006-MS1)				Source: 1	E503129-0	)1	Prepared: 03/17/25 Analyzed: 03/17/25
Matrix Spike (2512006-MS1) Benzene	4.84	0.0250	5.00	Source: 1	<b>E503129-</b> 0	70-130	Prepared: 03/17/25 Analyzed: 03/17/25
	4.84 4.77	0.0250 0.0250	5.00 5.00				Prepared: 03/17/25 Analyzed: 03/17/25
Benzene				ND	96.9	70-130	Prepared: 03/17/25 Analyzed: 03/17/25

5.00

88.8

70-130

Ethylbenzene	4.77	0.0250	5.00	ND	95.4	70-130
Toluene	4.85	0.0250	5.00	ND	97.0	70-130
o-Xylene	4.73	0.0250	5.00	ND	94.6	70-130
p,m-Xylene	9.67	0.0500	10.0	ND	96.7	70-130
Total Xylenes	14.4	0.0250	15.0	ND	96.0	70-130
Surrogate: 4-Bromochlorobenzene-PID	6.41		8.00		80.1	70-130

0.0250

4.44

Matrix Spike Dup (2512006-MSD1)					E503129-	01	Prepared: 03/17/25 Analyzed: 03/17/25		
Benzene	4.56	0.0250	5.00	ND	91.2	70-130	5.99	27	
Ethylbenzene	4.48	0.0250	5.00	ND	89.6	70-130	6.28	26	
Toluene	4.56	0.0250	5.00	ND	91.2	70-130	6.10	20	
o-Xylene	4.44	0.0250	5.00	ND	88.8	70-130	6.28	25	
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130	5.94	23	
Total Xylenes	13.6	0.0250	15.0	ND	90.4	70-130	6.05	26	
Surrogate: 4-Bromochlorobenzene-PID	6.24		8.00		78.0	70-130			

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/20/2025 12:18:25PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			3/2	0/2025 12:18:25PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			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
Blank (2512006-BLK1)							Prepared: 0	3/17/25 Anal	yzed: 03/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			
LCS (2512006-BS2)							Prepared: 0	3/17/25 Anal	yzed: 03/17/25
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			
Matrix Spike (2512006-MS2)				Source:	E503129-	01	Prepared: 02	3/17/25 Anal	yzed: 03/17/25
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			
Matrix Spike Dup (2512006-MSD2)				Source:	E503129-	01	Prepared: 0	3/17/25 Anal	yzed: 03/17/25
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130	0.997	20	

8.00

7.91

98.8

70-130



# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 12:18:25PM

Danas 1X, 73240		1 Toject Wianage	. 110	mey Gloveng	50			3,	20/2025 12:10:2511
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512026-BLK1)							Prepared: 0	3/17/25 Ana	alyzed: 03/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	61-141			
LCS (2512026-BS1)							Prepared: 0	3/17/25 Ana	alyzed: 03/18/25
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	55.6		50.0		111	61-141			
Matrix Spike (2512026-MS1)				Source:	E503135-0	01	Prepared: 0	3/17/25 Ana	alyzed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	56.3		50.0		113	61-141			
Matrix Spike Dup (2512026-MSD1)				Source:	E503135-0	01	Prepared: 0	3/17/25 Ana	alyzed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	56-156	0.123	20	
Surrogate: n-Nonane	56.5		50.0		113	61-141			

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2.	ool Head CTB 3003-0002 shley Giovengo					<b>Reported:</b> 3/20/2025 12:18:25PM
		Anions	by EPA	300.0/9056A					Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2512052-BLK1)							Prepared: 0	3/18/25 A	nalyzed: 03/18/25
Chloride	ND	20.0							
LCS (2512052-BS1)							Prepared: 0	3/18/25 A	nalyzed: 03/18/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512052-MS1)				Source: I	E503130-0	)1	Prepared: 0	3/18/25 A	nalyzed: 03/18/25
Chloride	3360	40.0	250	3230	54.4	80-120			M4
Matrix Spike Dup (2512052-MSD1)				Source: I	E503130-0	)1	Prepared: 0	3/18/25 A	nalyzed: 03/18/25
Chloride	4990	40.0	250	3230	706	80-120	39.0	20	M4, R3

#### 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:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:18

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

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.



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						s other a	rrangements are made. Hazardou														for th	e analysis of the above samples is
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Printed: 3/17/2025 9:39:03AM

### **Envirotech Analytical Laboratory**

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:	03/15/25	04:00		Work Order ID:	E503135
Phone:	(972) 371-5200	Date Logged In:	03/14/25	16:34		Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/21/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	Custody (COC)		Vos				
	ne sample ID match the COC? ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?	en the coc	Yes	a			
	e COC complete, i.e., signatures, dates/times, reques	tad analysas?	Yes Yes	Carrier: <u>C</u>	<u>courier</u>		
	Il samples received within holding time?	ied analyses?	Yes				
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		165			<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. <u>1</u>	<u> </u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	•	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · · · · · · · · · · · · · · · · · ·	iers conecteur	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	imation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator	n/9	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	NI A		
		so who:	INA	Subcontract Lab	); NA		
Client In	<u>istruction</u>						

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: Wool Head CTB

Work Order: E503134

Job Number: 23003-0002

Received: 3/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/20/25

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: 3/20/25

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

Project Name: Wool Head CTB

Workorder: E503134

Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

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## **Sample Summary**

Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Donoutoda
١	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-30'	E503134-01A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.



# **Sample Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 12:17:22PM

## BH01-30' E503134-01

		E503134-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2512006
Benzene	ND	0.0250	1	03/17/25	03/17/25	
Ethylbenzene	ND	0.0250	1	03/17/25	03/17/25	
Toluene	ND	0.0250	1	03/17/25	03/17/25	
p-Xylene	ND	0.0250	1	03/17/25	03/17/25	
o,m-Xylene	ND	0.0500	1	03/17/25	03/17/25	
Total Xylenes	ND	0.0250	1	03/17/25	03/17/25	
Surrogate: 4-Bromochlorobenzene-PID		80.9 %	70-130	03/17/25	03/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2512006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/25	03/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	03/17/25	03/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2512026
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		107 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2512052
Chloride	3200	40.0	2	03/18/25	03/19/25	

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene Total Xylenes ND

ND

ND

ND

ND

ND

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

## **QC Summary Data**

		<b>Q</b> =		ir y Date	_				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		ool Head CTI 3003-0002	3				Reported:
Dallas TX, 75240		Project Manager: Ashley Giovengo				3/20/2025 12:1			
		Volatile C	Organics	oy EPA 802	1B				Analyst: SL
nalyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Surrogate: 4-Bromochlorobenzene-PID	5.96		8.00	74.5	70-130	
LCS (2512006-BS1)						Prepared: 03/17/25 Analyzed: 03/17/25
Benzene	4.44	0.0250	5.00	88.7	70-130	
Ethylbenzene	4.37	0.0250	5.00	87.4	70-130	
Toluene	4.44	0.0250	5.00	88.8	70-130	
o-Xylene	4.35	0.0250	5.00	87.0	70-130	
p,m-Xylene	8.89	0.0500	10.0	88.9	70-130	
Total Xylenes	13.2	0.0250	15.0	88.3	70-130	
Surrogate: 4-Bromochlorobenzene-PID	6.33		8.00	79.1	70-130	
Matrix Spike (2512006-MS1)				Source: E503129-01		Prepared: 03/17/25 Analyzed: 03/17/25

Matrix Spike (2512006-MS1)				Source:	E503129-	01	Prepared: 03/17/25 Analyzed: 03/17/25
Benzene	4.84	0.0250	5.00	ND	96.9	70-130	
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	70-130	
Toluene	4.85	0.0250	5.00	ND	97.0	70-130	
o-Xylene	4.73	0.0250	5.00	ND	94.6	70-130	
p,m-Xylene	9.67	0.0500	10.0	ND	96.7	70-130	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	70-130	
Surrogate: 4-Bromochlorobenzene-PID	6.41		8.00		80.1	70-130	

Matrix Spike Dup (2512006-MSD1)					Source: E503129-01			Prepared: 03/17/25 Analyzed: 03/17/25		
Benzene	4.56	0.0250	5.00	ND	91.2	70-130	5.99	27		
Ethylbenzene	4.48	0.0250	5.00	ND	89.6	70-130	6.28	26		
Toluene	4.56	0.0250	5.00	ND	91.2	70-130	6.10	20		
o-Xylene	4.44	0.0250	5.00	ND	88.8	70-130	6.28	25		
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130	5.94	23		
Total Xylenes	13.6	0.0250	15.0	ND	90.4	70-130	6.05	26		
Surrogate: 4-Bromochlorobenzene-PID	6.24		8.00		78.0	70-130				

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/20/2025 12:17:22PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			3/	/20/2025 12:17:22PN
	Non	halogenated		Analyst: SL					
Analyte	Result	Reporting Limit	Spike Level	Source Result		Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512006-BLK1)							Prepared: 0	3/17/25 Ana	alyzed: 03/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			
LCS (2512006-BS2)							Prepared: 0	3/17/25 Ana	alyzed: 03/17/25
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			
Matrix Spike (2512006-MS2)				Source:	E503129-	01	Prepared: 0	3/17/25 Ana	alyzed: 03/17/25
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			
Matrix Spike Dup (2512006-MSD2)				Source:	E503129-	01	Prepared: 0	3/17/25 Ana	alyzed: 03/17/25

50.0 8.00 ND

98.8

70-130

70-130

0.997

20

42.0

7.91

20.0

# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 12:17:22PM

Danas 1A, 73240		1 Toject Manage	. 7 to	micy Gloveng	50			J. 2	.0,2023 12.17.2211
	Nonha	Analyst: NV							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512026-BLK1)							Prepared: 0	3/17/25 Ana	yzed: 03/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	61-141			
LCS (2512026-BS1)							Prepared: 0	3/17/25 Ana	lyzed: 03/18/25
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	55.6		50.0		111	61-141			
Matrix Spike (2512026-MS1)				Source:	E503135-0	01	Prepared: 0	3/17/25 Ana	lyzed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	56.3		50.0		113	61-141			
Matrix Spike Dup (2512026-MSD1)				Source:	E503135-0	01	Prepared: 0	3/17/25 Ana	lyzed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	56-156	0.123	20	
Surrogate: n-Nonane	56.5		50.0		113	61-141			

Chloride

Matrix Spike Dup (2512052-MSD1)

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number		Vool Head CTI 3003-0002	3				Reported:
Dallas TX, 75240		Project Manage	r: A	shley Gioveng	go			3	3/20/2025 12:17:22PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512052-BLK1)							Prepared: 0	3/18/25 Ar	nalyzed: 03/18/25
Chloride	ND	20.0							
LCS (2512052-BS1)							Prepared: 0	3/18/25 Ar	nalyzed: 03/18/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512052-MS1)				Source:	E503130-	01	Prepared: 0	3/18/25 Ar	nalyzed: 03/18/25
Chloride	3360	40.0	250	3230	54.4	80-120			M4

250

Source: E503130-01

706

80-120

39.0

3230

40.0

4990

#### 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.



Prepared: 03/18/25 Analyzed: 03/18/25

M4, R3

20

## **Definitions and Notes**

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:17

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

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.



		Cli	ent Inforn	nation			Invoice Informat	ion				La	b Us	e On	ly				T/	AT .		State
Client: N	Matac	lor Pro	duction C	ompany			Company: Ensolum LLC			Lab	WO#			Job I	Num	ber		1D	2D	3D	Std	NM CO UT TX
Project:	Woo	lhead (	СТВ				Address: 3122 National Parl	cs Hwy			031			739	003	-00	02				Y	X
Project N	/lana	ger: As	hley Giov	engo			City, State, Zip: Carlsbad NN	1, 88220									,		•		<del>-/</del>	-
Address:	312	2 Natio	nal Parks	Hwy			Phone: 575-988-0055							Ana	lysis	and	Met	hod				EPA Program
City, Stat	te, Zir	: Carl	sbad NM,	88220			Email: agiovengo@ensolur	m.com														SDWA CWA RCRA
Phone:	575-9	88-005	55				liscellaneous:			7												
Email: a	giove	ngo@e	ensolum.c	om						ļ	51	2						ł				Compliance Y or N
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-					Sam	ple Informa	tion				٥	0 0	805	8260	300	- N	½	Met				
Time Sampled	Date	Sampled	Matrix	No. of Containers			Sample ID	Field	Filter	Lab umber	DRO/ORO by 8015	GRO/DRO by 8015	8TEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1:17	2/12	4/6	5	liar	41	to 1-3	<u>Λ</u> 1			1		Ť			Ť	7						
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Addition	al In	structio	ons: Plea	ase CC: ct	urton@er	solum.com	, agiovengo@ensolum.com,	iestrella@	)ens	olum.	com,	chan	nilto	n@ei	nsolu	ım.co	om, t	osim	mon	s@er	rsolu	m.com,
bmoir@	enso	um.co	m																			
I, (field sam	pler), 3	tf <b>e</b> st to tl	he validity and	d authenticit	of this samp	e. I am aware t	hat tampering with or intentionally mis	labeling the sa	mple l	ocation,	date o	r time (	of coll	ection	is cons	idered	fraud	and m	ay be	ground	ls for le	gal action.
Sampled by	:Ash	Jéy Giove	rngo																			
Relinquish	ed by:	(Signatu		Date 3	יטא זכ	Time	Received by: (Signature)  Marissa Longo	. 0 Dat	14ء	-25	Time	300	2									st be received on ice the day they are temp above 0 but less than 6 °C on
Relinquish	ed by:	(Signatu	re) (O		171C)	Time	Received by: (Signature)	Dat			Time			l		empeor	want d	ave.		L	ab Us	se Only
Mari	dsa	معطر .	nsoles	J. 3.	14-25	1450	$\mathcal{A}_{\bullet}\mathcal{M}_{\bullet}$	3	.14	(25	$oxedsymbol{ol}}}}}}}}}}}}}}}$	76	0			Rece	eived	l on i	ce:		)/ N	,
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	<u>X.</u>				14.23	2130	Noc Soto		_	<u>·25</u>	+	100	<b>)</b>	1		<u> T1_</u>			_	<u>T2</u>		<u>T3</u>
Kelinquish	ed by:	(Signatu	ıre)	Date		Time	Received by: (Signature)	Dat	e		Time					AVG	i Tem	n °⊂	٠ 4	I		
Sample Mat	trix: S -	Soil. Sd -	Solid, Se - She	dge. A - Anu	ous, O - Othe	<u>l</u>		- co	ntain	er Type	]: pz - p	glass.	<b>p</b> - p	l oly/pl	astic	ag -	ambe	r gla	SS, V -	VOA	1	
							r arrangements are made. Hazardo															ne analysis of the above samples is
	•		-		_		The liability of the laboratory is limi	-					-									

client expense. The report for the analysis of the above samples is

envirotect

envirotect

environal content of the analysis of the above samples is

environal content of the analysis of the above samples is

envirotech Inc.

Printed: 3/17/2025 9:37:38AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

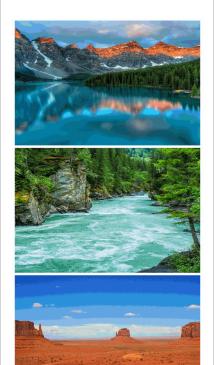
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/15/25	04:00		Work Order ID:	E503134
Phone:	(972) 371-5200	Date Logged In:	03/14/25	16:31		Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/21/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>Co</u>	<u>ourier</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes	_		<u>Comments</u>	s/Resolution
Sample T	urn Around Time (TAT)			Γ			
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C				
Sample C		·	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	el						
20. Were 1	— field sample labels filled out with the minimum info	ormation:					
Sa	ample ID?		Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		Yes				
	reservation		NT.				
	the COC or field labels indicate the samples were property of the company of the	reserveu?	No				
	imple(s) correctly preserved? filteration required and/or requested for dissolved n	actale?	NA Na				
	-	ictais:	No				
	se Sample Matrix	9					
	the sample have more than one phase, i.e., multipha		No				
27. II yes,	does the COC specify which phase(s) is to be analy	yzea?	NA				
-	act Laboratory						
	imples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab:	NA		
Client In	struction						

Date

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

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: Wool Head CTB

Work Order: E503133

Job Number: 23003-0002

Received: 3/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/20/25

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: 3/20/25

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

Project Name: Wool Head CTB

Workorder: E503133

Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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mgonzales@envirotech-inc.com

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## **Sample Summary**

ſ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Keporteu:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:15

Client Sample ID	Lab Sample ID Ma	trix	Sampled	Received	Container
BH01-35'	E503133-01A So	oil	03/14/25	03/15/25	Glass Jar, 2 oz.



# **Sample Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 12:15:53PM

## BH01-35' E503133-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2512006
Benzene	ND	0.0250	1	03/17/25	03/17/25	
Ethylbenzene	ND	0.0250	1	03/17/25	03/17/25	
Toluene	ND	0.0250	1	03/17/25	03/17/25	
o-Xylene	ND	0.0250	1	03/17/25	03/17/25	
p,m-Xylene	ND	0.0500	1	03/17/25	03/17/25	
Total Xylenes	ND	0.0250	1	03/17/25	03/17/25	
Surrogate: 4-Bromochlorobenzene-PID		82.6 %	70-130	03/17/25	03/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2512006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/25	03/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	03/17/25	03/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2512026
Diesel Range Organics (C10-C28)	55.0	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		107 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2512052
Chloride	3580	40.0	2	03/18/25	03/19/25	

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

# **QC Summary Data**

Wool Head CTB Matador Resources, LLC. Project Name: Reported: Project Number: 5400 LBJ Freeway, Suite 1500 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 3/20/2025 12:15:53PM **Volatile Organics by EPA 8021B** Analyst: SL Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2512006-BLK1) Prepared: 03/17/25 Analyzed: 03/17/25 ND 0.0250 ND Ethylbenzene 0.0250

Surrogate: 4-Bromochlorobenzene-PID	5.96		8.00	74.5	70-130	
LCS (2512006-BS1)						Prepared: 03/17/25 Analyzed: 03/17/25
Benzene	4.44	0.0250	5.00	88.7	70-130	
Ethylbenzene	4.37	0.0250	5.00	87.4	70-130	
Toluene	4.44	0.0250	5.00	88.8	70-130	
o-Xylene	4.35	0.0250	5.00	87.0	70-130	
p,m-Xylene	8.89	0.0500	10.0	88.9	70-130	
Total Xylenes	13.2	0.0250	15.0	88.3	70-130	
Surrogate: 4-Bromochlorobenzene-PID	6.33		8.00	79.1	70-130	

ND

ND

ND

ND

0.0250

0.0250

0.0500

0.0250

Matrix Spike (2512006-MS1)				Source:	E503129-	01	Prepared: 03/17/25 Analyzed: 03/17/25
Benzene	4.84	0.0250	5.00	ND	96.9	70-130	
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	70-130	
Toluene	4.85	0.0250	5.00	ND	97.0	70-130	
o-Xylene	4.73	0.0250	5.00	ND	94.6	70-130	
p,m-Xylene	9.67	0.0500	10.0	ND	96.7	70-130	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	70-130	
Surrogate: 4-Bromochlorobenzene-PID	6.41		8.00		80.1	70-130	

Matrix Spike Dup (2512006-MSD1)				Source:	E503129-	01	Prepared: 03/17/25 Analyzed: 03/17/25		
Benzene	4.56	0.0250	5.00	ND	91.2	70-130	5.99	27	
Ethylbenzene	4.48	0.0250	5.00	ND	89.6	70-130	6.28	26	
Toluene	4.56	0.0250	5.00	ND	91.2	70-130	6.10	20	
o-Xylene	4.44	0.0250	5.00	ND	88.8	70-130	6.28	25	
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130	5.94	23	
Total Xylenes	13.6	0.0250	15.0	ND	90.4	70-130	6.05	26	
Surrogate: 4-Bromochlorobenzene-PID	6.24		8.00		78.0	70-130			

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/20/2025 12:15:53PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			3/2	0/2025 12:15:53PM		
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			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		
Blank (2512006-BLK1)							Prepared: 0	3/17/25 Anal	yzed: 03/17/25		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130					
LCS (2512006-BS2)							Prepared: 0	3/17/25 Anal	yzed: 03/17/25		
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130					
Matrix Spike (2512006-MS2)				Source:	E503129-	01	Prepared: 02	3/17/25 Anal	yzed: 03/17/25		
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130					
Matrix Spike Dup (2512006-MSD2)				Source:	E503129-	01	Prepared: 0	3/17/25 Anal	yzed: 03/17/25		
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130	0.997	20			

8.00

7.91

98.8

70-130



## **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/20/2025 12:15:53PM

,		, ,		, .	2				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512026-BLK1)							Prepared: 0	3/17/25 Ana	lyzed: 03/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	61-141			
LCS (2512026-BS1)							Prepared: 0	3/17/25 Ana	lyzed: 03/18/25
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	55.6		50.0		111	61-141			
Matrix Spike (2512026-MS1)				Source:	E503135-0	01	Prepared: 0	3/17/25 Ana	lyzed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	56.3		50.0		113	61-141			
Matrix Spike Dup (2512026-MSD1)				Source:	E503135-0	01	Prepared: 0	3/17/25 Ana	lyzed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	56-156	0.123	20	
Surrogate: n-Nonane	56.5		50.0		113	61-141			



Chloride

M4, R3

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	23	ool Head CTI 3003-0002 shley Gioveng				3	<b>Reported:</b> 3/20/2025 12:15:53PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	<b>\</b>				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
1	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512052-BLK1)							Prepared: 0	3/18/25 Ar	nalyzed: 03/18/25
Chloride	ND	20.0							
LCS (2512052-BS1)							Prepared: 0	3/18/25 Ar	nalyzed: 03/18/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512052-MS1)				Source:	E503130-	01	Prepared: 0	3/18/25 Ar	nalyzed: 03/18/25
Chloride	3360	40.0	250	3230	54.4	80-120			M4
Matrix Spike Dup (2512052-MSD1)				Source:	E503130-0	01	Prepared: 0	3/18/25 Ar	nalvzed: 03/18/25

250

40.0

80-120

706

#### 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:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:15

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

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.



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Chain	of	Custody
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	Clie	nt Inform	nation			Invoice Information					La	b Us	e On	ly			TAT				State
Client: N	<b>Natador Prod</b>	uction Co	ompany			Company: Ensolum LLC			Lab \	NO#			Job I	Numl	ber		1D	2D	3D	Std	NM CO UT TX
Project:	Woolhead C	ГВ				Address: 3122 National Parks Hv	/y	[	ES	031	33		23	003	-00	02				X	
Project N	Manager: Ash	ley Giove	engo			City, State, Zip: Carlsbad NM, 88	220	[												—	-
	3122 Nation				!	Phone: 575-988-0055							Ana	lysis	and	Met	hod				EPA Program
	e, Zip: Carlsl		88220		— L	Email: agiovengo@ensolum.co	m														SDWA CWA RCRA
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Email: a	giovengo@er	nsolum.co	om							£	52										Compliance Y or N
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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lat Num	- 1	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
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Addition	al Instruction	se Plas	se CC: chu	rton@en	solum som	, agiovengo@ensolum.com, iest	rolla@r	nsolu			ham	iltor		2001							
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Sampled by:	Ashley Glovern	go					_													•	
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ahhiiranis (	any to those sai	mbisz tecei	ived by the la	sociatory W	nui mis coc.	The liability of the laboratory is limited to	the amo	unt pai	ıa tor	on the	e repo	ρrτ.									

e client expense. The report for the analysis of the above samples is

envirotec

envirotech Inc.

Printed: 3/17/2025 9:36:48AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

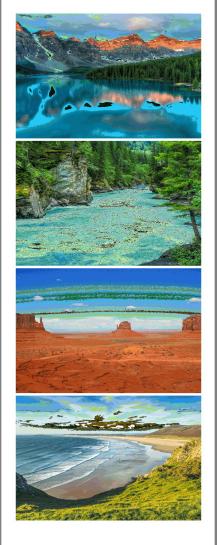
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/15/25	04:00		Work Order ID:	E503133
Phone:	(972) 371-5200	Date Logged In:	03/14/25	16:25		Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/21/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>ourier</u>		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi	•	Yes	_		Comment	s/Resolution
Sample T	<u> urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
• /	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C				
Sample C			_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat	•	nors conceica.	105				
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
D	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborate	ory?	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab	: NA		
	nstruction						
CHCHT	isti uctivii						

Date

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

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: Wool Head CTB

Work Order: E503132

Job Number: 23003-0002

Received: 3/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/20/25

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: 3/20/25

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

Project Name: Wool Head CTB

Workorder: E503132

Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

een: 773 207 1702

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## **Sample Summary**

_				
Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:28

Client Sample ID	Lab Sample ID Ma	atrix	Sampled	Received	Container
BH01-40'	E503132-01A S	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.



# **Sample Data**

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 12:28:54PM

## BH01-40' E503132-01

	E303132-01				
Result			Prepared	Analyzed	Notes
resuit	Limit	Bitation	Trepared	7 Hidiy Zeci	110103
mg/kg	mg/kg	Analy	yst: SL		Batch: 2512006
ND	0.0250	1	03/17/25	03/17/25	
ND	0.0250	1	03/17/25	03/17/25	
ND	0.0250	1	03/17/25	03/17/25	
ND	0.0250	1	03/17/25	03/17/25	
ND	0.0500	1	03/17/25	03/17/25	
ND	0.0250	1	03/17/25	03/17/25	
	82.6 %	70-130	03/17/25	03/17/25	
mg/kg	mg/kg	Analy	yst: SL		Batch: 2512006
ND	20.0	1	03/17/25	03/17/25	
	95.5 %	70-130	03/17/25	03/17/25	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2512026
ND	25.0	1	03/17/25	03/18/25	
ND	50.0	1	03/17/25	03/18/25	
	108 %	61-141	03/17/25	03/18/25	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2512052
3610	40.0	2	03/18/25	03/19/25	
	ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           82.6 %         mg/kg           mg/kg         mg/kg           ND         20.0           95.5 %         mg/kg           MD         25.0           ND         50.0           108 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         25.0         1           MB/kg         mg/kg         Analy           MB/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           108 %         61-141           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/17/25           ND         0.0250         1         03/17/25           ND         0.0250         1         03/17/25           ND         0.0500         1         03/17/25           ND         0.0250         1         03/17/25           MD         0.0250         1         03/17/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         03/17/25           mg/kg         mg/kg         Analyst: NV           ND         25.5         70-130         03/17/25           ND         25.0         1         03/17/25           ND         50.0         1         03/17/25           ND         50.0         1         03/17/25           mg/kg         61-141         03/17/25           mg/kg         mg/kg         Analyst: JM	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         03/17/25         03/17/25           ND         0.0250         1         03/17/25         03/17/25           ND         0.0250         1         03/17/25         03/17/25           ND         0.0500         1         03/17/25         03/17/25           ND         0.0250         1         03/17/25         03/17/25           ND         0.0250         1         03/17/25         03/17/25           Mg/kg         mg/kg         Analyst: SL         03/17/25           mg/kg         mg/kg         Analyst: SL         03/17/25           mg/kg         mg/kg         Analyst: NV         03/17/25           ND         25.0         1         03/17/25         03/18/25           ND         25.0         1         03/17/25         03/18/25           ND         50.0         1         03/17/25         03/18/25           ND         50.0         1         03/17/25         03/18/25           ND         61-141

## **QC Summary Data**

Matador Resources, LLC. Wool Head CTB Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 3/20/2025 12:28:54PM **Volatile Organics by EPA 8021B** Analyst: SL RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2512006-BLK1) Prepared: 03/17/25 Analyzed: 03/17/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 5.96 8.00 74.5 70-130 LCS (2512006-BS1) Prepared: 03/17/25 Analyzed: 03/17/25 4.44 5.00 88.7 70-130 0.0250 Benzene Ethylbenzene 4.37 0.0250 5.00 87.4 70-130 4.44 88.8 70-130 Toluene 0.0250 5.00 4.35 87.0 70-130 o-Xylene 0.0250 5.00 8.89 0.0500 10.0 88.9 70-130 p,m-Xylene 13.2 88.3 70-130 0.0250 15.0 Total Xylenes 79.1 70-130 8.00 Surrogate: 4-Bromochlorobenzene-PID 6.33

Matrix Spike (2512006-MS1)			Source:	E503129-	01	Prepared: 03/17/25 Analyzed: 03/17/25			
Benzene	4.84	0.0250	5.00	ND	96.9	70-130			
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	70-130			
Toluene	4.85	0.0250	5.00	ND	97.0	70-130			
o-Xylene	4.73	0.0250	5.00	ND	94.6	70-130			
p,m-Xylene	9.67	0.0500	10.0	ND	96.7	70-130			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.41		8.00		80.1	70-130			

Matrix Spike Dup (2512006-MSD1)				Source:	E503129-	01	Prepared: 03	3/17/25 Analyzed: 03/17/25
Benzene	4.56	0.0250	5.00	ND	91.2	70-130	5.99	27
Ethylbenzene	4.48	0.0250	5.00	ND	89.6	70-130	6.28	26
Toluene	4.56	0.0250	5.00	ND	91.2	70-130	6.10	20
o-Xylene	4.44	0.0250	5.00	ND	88.8	70-130	6.28	25
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130	5.94	23
Total Xylenes	13.6	0.0250	15.0	ND	90.4	70-130	6.05	26
Surrogate: 4-Bromochlorobenzene-PID	6.24		8.00		78.0	70-130		

Surrogate: 1-Chloro-4-fluorobenzene-FID

7.91

## **QC Summary Data**

Matador Resources, LLC. Wool Head CTB Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			3/2	20/2025 12:28:54PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			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
Blank (2512006-BLK1)							Prepared: 0	3/17/25 Ana	lyzed: 03/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			
LCS (2512006-BS2)							Prepared: 0	3/17/25 Ana	lyzed: 03/17/25
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			
Matrix Spike (2512006-MS2)				Source:	E503129-	01	Prepared: 0	3/17/25 Ana	lyzed: 03/17/25
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			
Matrix Spike Dup (2512006-MSD2)				Source:	E503129-	01	Prepared: 0	3/17/25 Ana	lyzed: 03/17/25
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130	0.997	20	

8.00

98.8

70-130

## **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/20/2025 12:28:54PM

, , , ,		, ,		, .	2				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512026-BLK1)							Prepared: 0	3/17/25 Ana	llyzed: 03/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	61-141			
LCS (2512026-BS1)							Prepared: 0	3/17/25 Ana	alyzed: 03/18/25
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	55.6		50.0		111	61-141			
Matrix Spike (2512026-MS1)				Source:	E503135-0	01	Prepared: 0	3/17/25 Ana	alyzed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	56.3		50.0		113	61-141			
Matrix Spike Dup (2512026-MSD1)				Source:	E503135-	01	Prepared: 0	3/17/25 Ana	alyzed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	56-156	0.123	20	
Surrogate: n-Nonane	56.5		50.0		113	61-141			



Chloride

M4, R3

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Vool Head CTB 3003-0002				Reported:			
Dallas TX, 75240		Project Manager		shley Giovengo	)				3/20/2025 12:28:54PM
		Anions	by EPA	300.0/9056A	-				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512052-BLK1)							Prepared: 0	3/18/25 A	analyzed: 03/18/25
Chloride	ND	20.0							
LCS (2512052-BS1)							Prepared: 0	3/18/25 A	nalyzed: 03/18/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512052-MS1)				Source: I	E503130-0	01	Prepared: 0	3/18/25 A	nalyzed: 03/18/25
Chloride	3360	40.0	250	3230	54.4	80-120			M4
Matrix Spike Dup (2512052-MSD1)				Source: I	E503130-0	01	Prepared: 03	3/18/25 A	nalyzed: 03/18/25

250

40.0

3230

706

80-120

39.0

#### 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:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:28

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

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.



Received by OCD: 7/9/2025 12:00:31 AM

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							Chair	n of Cu	sto	ody													Page	·	۶f
		Clie	nt inform	nation		Τ	Invoice Informati	on				La	b Us	e On	ly				T	AT .		State			
oject: oject N	Woolh /lanage	ead C r: Asl	nley Giov	engo			Company: Ensolum LLC Address: 3122 National Park City, State, Zip: Carlsbad NM			Lab E\$	wo# 231:	32			003	- 00			2D	3D	Std		CO UT		
			nal Parks bad NM,			-{	Phone: 575-988-0055			<del></del> 1				Ana	lysis	and	Met	hod				SDWA	A Progra	RCRA	4
one:	575-988	3-005					Email: agiovengo@ensolun Miscellaneous:	n.com			8015	8015			0			s				Complianc			
					Sample	Infor	mation				O by	O by	8021	8260	300	Σ×	XT-20	Metal				1 44510 #			7
Time ampled	Date Sa	mpled	Matrix	No. of Containers			Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ ЬУ 8021	VOC by	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remarks		
	314	125	5	ljar	640	1-0	10'			1			_			X									
							-								ı										
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-						_																			
	nal Insti			se CC: cb	urton@enso	lum.c	om, agiovengo@ensolum.com,	iestrella	@e	nsolum.	com,	chan	niltor	n@er	nsolu	m.co	om, l	simi	mon	s@er	rsolu	m.com,	-		

, (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. \_Ashley Gioverngo Samples requiring thermal preservation must be received on ice the day they are Received by: (Signature) 1300 sampled or received packed in ice at an avg temp above 0 but less than 6 °C on Lab Use Only Received on ice: Relinquighed by: (Signature) Received by: (Signature) 0400 3.15.25 Relinquished by: (Signature) Received by: (Signature) AVG Temp °C\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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

Printed: 3/17/2025 9:35:42AM

## **Envirotech Analytical Laboratory**

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:	03/15/25 (	04:00	Work Order ID:	E503132
Phone:	(972) 371-5200	Date Logged In:	03/14/25	16:25	Logged In By:	Noe Soto
Email:		Due Date:	03/21/25	17:00 (4 day TAT)		
Chain a	Contrador (COC)					
	Custody (COC)		<b>3</b> 7			
	ne sample ID match the COC? ne number of samples per sampling site location matc	h the COC	Yes			
	amples dropped off by client or carrier?	ii tile eee	Yes Yes	Ci Ci		
	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	Carrier: Courier		
	Il samples received within holding time?	ed analyses:	Yes			
3. Word a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		103		Comment	s/Resolution
	<u> Curn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample t	received w/i 15	Yes <u>C</u>			
Sample (	Container_					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containe	ers collected?	Yes			
Field Lal	•					
	field sample labels filled out with the minimum infor	mation:				
S	ample ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		Yes			
	Preservation	10				
	the COC or field labels indicate the samples were pre	served?	No			
	ample(s) correctly preserved?	. 1.0	NA			
	filteration required and/or requested for dissolved me	etais?	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multiphase		No			
27. If yes	, does the COC specify which phase(s) is to be analyz	red?	NA			
Subconti	act Laboratory					
	amples required to get sent to a subcontract laboratory subcontract laboratory specified by the client and if s		No NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					

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: Wool Head CTB

Work Order: E503131

Job Number: 23003-0002

Received: 3/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/20/25

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: 3/20/25

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

Project Name: Wool Head CTB

Workorder: E503131

Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

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whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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**Michelle Gonzales** 

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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

### **Sample Summary**

Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Donoutod.
١	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:24

Client Sample ID	Lab Sample ID Ma	atrix	Sampled	Received	Container
BH01-45'	E503131-01A S	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.



# Sample Data

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 12:24:07PM

### BH01-45' E503131-01

		E503131-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2512006
Benzene	ND	0.0250	1	03/17/25	03/17/25	
Ethylbenzene	ND	0.0250	1	03/17/25	03/17/25	
Toluene	ND	0.0250	1	03/17/25	03/17/25	
o-Xylene	ND	0.0250	1	03/17/25	03/17/25	
o,m-Xylene	ND	0.0500	1	03/17/25	03/17/25	
Total Xylenes	ND	0.0250	1	03/17/25	03/17/25	
Surrogate: 4-Bromochlorobenzene-PID		82.5 %	70-130	03/17/25	03/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2512006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/25	03/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	03/17/25	03/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2512026
Diesel Range Organics (C10-C28)	41.6	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		108 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2512052
Chloride	3130	40.0	2	03/18/25	03/19/25	

# **QC Summary Data**

	<del>-</del>					
Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:			
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•			
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 12:24:07PM			
Valatila Ouganias by EDA 9021D						

Dallas TX, 75240		Project Manager	: As	shley Gioveng	go			3.	/20/2025 12:24:07PM
Volatile Organics by EPA 8021B									Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512006-BLK1)							Prepared: 0	3/17/25 An	alyzed: 03/17/25
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	5.96		8.00		74.5	70-130			
LCS (2512006-BS1)							Prepared: 0	3/17/25 An	alyzed: 03/17/25
Benzene	4.44	0.0250	5.00		88.7	70-130			
Ethylbenzene	4.37	0.0250	5.00		87.4	70-130			
Toluene	4.44	0.0250	5.00		88.8	70-130			
o-Xylene	4.35	0.0250	5.00		87.0	70-130			
p,m-Xylene	8.89	0.0500	10.0		88.9	70-130			
Total Xylenes	13.2	0.0250	15.0		88.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.33		8.00		79.1	70-130			
Matrix Spike (2512006-MS1)				Source:	E503129-	01	Prepared: 0	3/17/25 An	alyzed: 03/17/25
Benzene	4.84	0.0250	5.00	ND	96.9	70-130			
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	70-130			
Toluene	4.85	0.0250	5.00	ND	97.0	70-130			
o-Xylene	4.73	0.0250	5.00	ND	94.6	70-130			
p,m-Xylene	9.67	0.0500	10.0	ND	96.7	70-130			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.41		8.00		80.1	70-130			
Matrix Spike Dup (2512006-MSD1)				Source:	E503129-	01	Prepared: 0	3/17/25 An	alyzed: 03/17/25
Benzene	4.56	0.0250	5.00	ND	91.2	70-130	5.99	27	
Ethylbenzene	4.48	0.0250	5.00	ND	89.6	70-130	6.28	26	
Toluene	4.56	0.0250	5.00	ND	91.2	70-130	6.10	20	
o-Xylene	4.44	0.0250	5.00	ND	88.8	70-130	6.28	25	
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130	5.94	23	
Total Xylenes	13.6	0.0250	15.0	ND	90.4	70-130	6.05	26	
Surrogate: 4-Bromochlorobenzene-PID	6.24		8.00		78.0	70-130			



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/20/2025 12:24:07PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			3,	/20/2025 12:24:07PM
	15D - Gl	RO		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
Blank (2512006-BLK1)							Prepared: 0	3/17/25 Ana	alyzed: 03/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			
LCS (2512006-BS2)							Prepared: 0	3/17/25 Ana	alyzed: 03/17/25
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			
Matrix Spike (2512006-MS2)				Source:	E503129-	01	Prepared: 0	3/17/25 Ana	alyzed: 03/17/25
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			
Matrix Spike Dup (2512006-MSD2)				Source:	E503129-	01	Prepared: 0	3/17/25 Ana	alyzed: 03/17/25

50.0 8.00 ND

98.8

70-130

70-130

0.997

20

42.0

7.91

20.0

# **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/20/2025 12:24:07PM

Dallas 171, 732 10		Troject Manage		iney Groveng	-				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512026-BLK1)							Prepared: 0	3/17/25 Anal	yzed: 03/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	61-141			
LCS (2512026-BS1)							Prepared: 0	3/17/25 Anal	yzed: 03/18/25
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	55.6		50.0		111	61-141			
Matrix Spike (2512026-MS1)				Source:	E503135-0	01	Prepared: 0	3/17/25 Anal	yzed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	56.3		50.0		113	61-141			
Matrix Spike Dup (2512026-MSD1)				Source:	E503135-0	01	Prepared: 0	3/17/25 Anal	yzed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	56-156	0.123	20	
Surrogate: n-Nonane	56.5		50.0		113	61-141			

Matrix Spike Dup (2512052-MSD1)

Chloride

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	23	ool Head CTF 3003-0002 shley Gioveng				2	Reported: 5/20/2025 12:24:07PM
Dallas 1A, 73240		, c		300.0/9056A					Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2512052-BLK1)							Prepared: 0	3/18/25 An	alyzed: 03/18/25
Chloride	ND	20.0							
LCS (2512052-BS1)							Prepared: 0	3/18/25 An	alyzed: 03/18/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512052-MS1)				Source:	E503130-	01	Prepared: 0	3/18/25 An	alyzed: 03/18/25
Chloride	3360	40.0	250	3230	54.4	80-120			M4

250

40.0

Source: E503130-01

706

80-120

39.0

3230

#### 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.



Prepared: 03/18/25 Analyzed: 03/18/25

M4, R3

20

### **Definitions and Notes**

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:24

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

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.



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	Client Information lient: Matador Production Company				1 1	ln	voice Information			Lab Use Only							TAT				State				
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Project N	/lanager	: Ash	ley Giove	engo			City, State, Zip	: Carlsbad NM, 882	20																
Address:	3122 N	ation	al Parks	Hwy			Phone: 575-	988-0055		l	Γ				Analysis and Me				Method				EP/	A Progra	m
City, Stat	e, Zip:	Carlsb	ad NM,	88220			Email: agiovengo@ensolum.com																SDWA	CWA	RCRA
Phone: 5	575- <u>988</u>	-0055	i				Miscellaneous:				- 1														
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Time Sampled	Date Sar	npled	Matrix	No. of Containers	İ		Sample ID		Field	Lab Numb	o ber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				!	Remarks	
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applicable	only to th	ose sar	mples rece	eived by the	laboratory w	ith this COC.	The liability of the	e laboratory is limited to	the amo	ount pai	d for	on th	ie rep	ort.				- [							



client expense. The report for the analysis of the above samples is

Printed: 3/17/2025 9:33:23AM

### **Envirotech Analytical Laboratory**

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:	03/15/25	04:00		Work Order ID:	E503131
Phone:	(972) 371-5200	Date Logged In:	03/14/25	16:23		Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/21/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	carrier. <u>c</u>	<u> </u>		
	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssis.			,		Comment	s/Resolution
	<u> Furn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	, <u>.</u>	temperature. 4	<u>C</u>				
	Container queous VOC samples present?		No				
	/OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La		ilers collected:	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	mation.	Yes				
	Date/Time Collected?		Yes				
(	Collectors name?		Yes				
Sample 1	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multiph:	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcont	ract Laboratory						
	amples required to get sent to a subcontract laborato	rv?	No				
	a subcontract laboratory specified by the client and is	-	NA	Subcontract Lab	· NA		
	nstruction			Succentract Eac	1 11 1		
<u>Chent I</u>	iisti uctivii						

Date

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: Wool Head CTB

Work Order: E503136

Job Number: 23003-0002

Received: 3/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/20/25

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: 3/20/25

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

Project Name: Wool Head CTB

Workorder: E503136

Date Received: 3/15/2025 4:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:00AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Michelle Gonzales

Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### **Sample Summary**

Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
ı	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Keporteu:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:19

Client Sample ID	Lab Sample ID Mati	rix Sampled	Received	Container
BH01-50'	E503136-01A Soi	03/14/25	03/15/25	Glass Jar, 2 oz.



# Sample Data

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 12:19:39PM

### BH01-50' E503136-01

		1000100 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2512006
Benzene	ND	0.0250	1	03/17/25	03/17/25	
Ethylbenzene	ND	0.0250	1	03/17/25	03/17/25	
Toluene	ND	0.0250	1	03/17/25	03/17/25	
o-Xylene	ND	0.0250	1	03/17/25	03/17/25	
p,m-Xylene	ND	0.0500	1	03/17/25	03/17/25	
Total Xylenes	ND	0.0250	1	03/17/25	03/17/25	
Surrogate: 4-Bromochlorobenzene-PID		78.1 %	70-130	03/17/25	03/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2512006
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/25	03/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	03/17/25	03/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2512026
Diesel Range Organics (C10-C28)	46.6	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		110 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2512052
Chloride	3400	40.0	2	03/18/25	03/19/25	

p,m-Xylene

Total Xylenes

Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Matrix Spike Dup (2512006-MSD1)

### **QC Summary Data**

Wool Head CTB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 3/20/2025 12:19:39PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2512006-BLK1) Prepared: 03/17/25 Analyzed: 03/17/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 5.96 8.00 74.5 70-130 LCS (2512006-BS1) Prepared: 03/17/25 Analyzed: 03/17/25 4.44 5.00 88.7 70-130 Benzene 0.0250 Ethylbenzene 4.37 0.0250 5.00 87.4 70-130 4.44 0.0250 5.00 88.8 70-130 Toluene 87.0 o-Xylene 4.35 0.0250 5.00 70-130 8.89 10.0 88.9 70-130 0.0500 p.m-Xvlene 88.3 70-130 13.2 15.0 Total Xylenes 0.0250 8.00 79.1 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.33 Matrix Spike (2512006-MS1) Source: E503129-01 Prepared: 03/17/25 Analyzed: 03/17/25 4.84 0.0250 5.00 ND 96.9 70-130 Benzene ND 70-130 Ethylbenzene 4.77 0.0250 5.00 95.4 Toluene 4.85 0.0250 5.00 ND 97.0 70-130 4.73 ND 94.6 70-130 5.00 0.0250 o-Xylene

9.67

6.41

4.56

4.48

4.56

4.44

9.11

13.6

6.24

0.0500

0.0250

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

10.0

15.0

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

ND

ND

96.7

91.2

89.6

91.2

88.8

91.1

90.4

78.0

Source: E503129-01

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

5.99

6.28

6.10

6.28

5.94

6.05



Prepared: 03/17/25 Analyzed: 03/17/25

27

26

20

25

23

26

Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/20/2025 12:19:39PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			3/2	0/2025 12:19:39PM
	Non	halogenated	Organics	by EPA 80	15D - Gl	RO			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
Blank (2512006-BLK1)							Prepared: 0	3/17/25 Anal	yzed: 03/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			
LCS (2512006-BS2)							Prepared: 0	3/17/25 Anal	yzed: 03/17/25
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			
Matrix Spike (2512006-MS2)				Source:	E503129-	01	Prepared: 0	3/17/25 Anal	yzed: 03/17/25
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			
Matrix Spike Dup (2512006-MSD2)				Source:	E503129-	01	Prepared: 0	3/17/25 Anal	yzed: 03/17/25
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130	0.997	20	

8.00

7.91

98.8

70-130

# **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/20/2025 12:19:39PM

Bullus 171, 732 10		Troject Manage	. 710	iney Groveng	-				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512026-BLK1)							Prepared: 0	3/17/25 Analy	vzed: 03/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	61-141			
LCS (2512026-BS1)							Prepared: 0	3/17/25 Analy	zed: 03/18/25
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	55.6		50.0		111	61-141			
Matrix Spike (2512026-MS1)				Source:	E503135-0	01	Prepared: 0	3/17/25 Analy	zed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	56.3		50.0		113	61-141			
Matrix Spike Dup (2512026-MSD1)				Source:	E503135-	01	Prepared: 0	3/17/25 Analy	zed: 03/18/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	56-156	0.123	20	
Surrogate: n-Nonane	56.5		50.0		113	61-141			

# **QC Summary Data**

Matador Resources, LLC.		Project Name:		ool Head CTI	3				Reported:
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	· ·								3/20/2025 12:19:39PM
		Anions	by EPA 3	00.0/9056	<b>A</b>				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512052-BLK1)							Prepared: 0	03/18/25 A	analyzed: 03/18/25
Chloride	ND	20.0							
LCS (2512052-BS1)							Prepared: 0	03/18/25 A	nalyzed: 03/18/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512052-MS1)				Source:	E503130-0	)1	Prepared: 0	03/18/25 A	nalyzed: 03/18/25
Chloride	3360	40.0	250	3230	54.4	80-120			M4
Matrix Spike Dup (2512052-MSD1)				Source:	E503130-0	)1	Prepared: 0	03/18/25 A	nalyzed: 03/18/25
Chloride	4990	40.0	250	3230	706	80-120	39.0	20	M4, R3

#### 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:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 12:19

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

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			La	b Us	e Only			<u> </u>	TA	т	Т	State
lient: Matador Production Company roject: Woolhead CTB	Company: Ensolum LLC Address: 3122 National Parks Hwy		WO#	<u> </u>		Job Nu <b>230</b> 0			1D	2D	3D	Std	NM CO UT TX
roject Manager: Ashley Giovengo ddress: 3122 National Parks Hwy ity, State, Zip: Carlsbad NM, 88220 hone: 575-988-0055 mail: agiovengo@ensolum.com  Sample Inf Time Sampled Date Sampled Matrix No. of Containers	City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous:	Lab	O/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	Analy		d Met	RCRA 8 Metals				EPA Program  SDWA CWA RCRA  Compliance Y or N  PWSID#  Remarks
dditional Instructions: Please CC: cburton@ensolummoir@ensolum.com (field sampler), attest to the validity and authenticity of this sample. I am a													
elinguished by: (Signature) Date Time	Received by: (Signature)  Received by: (Signature)  Received by: (Signature)  Received by: (Signature)  Date  Date  Date	4.25 4.25 15·25	Time Time	700 700 40	0		Re T1	eceived	d on i	ce:	La La	ab Us	st be received on ice the day they are temp above 0 but less than 6 °C on see Only
imple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other One: Samples are discarded 14 days after results are reported unles		iner Typ					stic, ag	g - amb	er gla	ss, v -	VOA		ne 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.



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Printed: 3/17/2025 10:13:56AM

#### **Envirotech Analytical Laboratory**

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:	03/15/25	04:00	Work Order ID:	E503136
Phone:	(972) 371-5200	Date Logged In:	03/15/25	05:23	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/21/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		Comment	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
•	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C  Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C			
Sample C	, <u>,</u> <u>,</u>		_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · · · · · · · · · · · · · · · · · ·	ners conceteu.	103			
	field sample labels filled out with the minimum info	ormation				
	ample ID?	omation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborate	orv?	No			
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab: NA		
	struction					
CHERTI	istruction					

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

# **Analytical Report**

Matador Resources, LLC.

Project Name: Wool Head CTB

Work Order: E505149

Job Number: 23003-0002

Received: 5/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/20/25

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: 5/20/25

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

Project Name: Wool Head CTB

Workorder: E505149

Date Received: 5/14/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/14/2025 7:00:00AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

**Laboratory Administrator** Office: 505-632-1881

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Client Representative

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# **Sample Summary**

Matador Resources, LLC.	Project Name:	Wool Head CTB	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/20/25 08:41

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS01-4'	E505149-01A Soil	05/12/25	05/14/25	Glass Jar, 2 oz.
SW01-0'-4'	E505149-02A Soil	05/12/25	05/14/25	Glass Jar, 2 oz.



# Sample Data

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/20/2025 8:41:39AM

### FS01-4' E505149-01

		E303147-01					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS	·	Batch: 2520065
Benzene	ND	0.0250	1	[	05/14/25	05/14/25	
Ethylbenzene	ND	0.0250	1	1	05/14/25	05/14/25	
Toluene	ND	0.0250	1	[	05/14/25	05/14/25	
o-Xylene	ND	0.0250	1	1	05/14/25	05/14/25	
p,m-Xylene	ND	0.0500	1	1	05/14/25	05/14/25	
Total Xylenes	ND	0.0250	1	[	05/14/25	05/14/25	
Surrogate: Bromofluorobenzene		98.4 %	70-130		05/14/25	05/14/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		05/14/25	05/14/25	
Surrogate: Toluene-d8		101 %	70-130		05/14/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2520065
Gasoline Range Organics (C6-C10)	ND	20.0	1	[	05/14/25	05/14/25	
Surrogate: Bromofluorobenzene		98.4 %	70-130		05/14/25	05/14/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		05/14/25	05/14/25	
Surrogate: Toluene-d8		101 %	70-130		05/14/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2520087
Diesel Range Organics (C10-C28)	ND	25.0	1	[	05/15/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	l	05/15/25	05/15/25	
Surrogate: n-Nonane		101 %	61-141		05/15/25	05/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2520104
Chloride	4470	40.0		2	05/15/25	05/15/25	



### Sample Data

Matador Resources, LLC.Project Name:Wool Head CTB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo5/20/2025 8:41:39AM

### SW01-0'-4' E505149-02

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg Analyst: RKS			Batch: 2520065		
Benzene	ND	0.0250	1	05/14/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/14/25	05/14/25	
Toluene	ND	0.0250	1	05/14/25	05/14/25	
o-Xylene	ND	0.0250	1	05/14/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/14/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/14/25	05/14/25	
Surrogate: Bromofluorobenzene		100 %	70-130	05/14/25	05/14/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/14/25	05/14/25	
Surrogate: Toluene-d8		101 %	70-130	05/14/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2520065
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/25	05/14/25	
Surrogate: Bromofluorobenzene		100 %	70-130	05/14/25	05/14/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/14/25	05/14/25	
Surrogate: Toluene-d8		101 %	70-130	05/14/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH		Batch: 2520087
Diesel Range Organics (C10-C28)	ND	25.0	1	05/15/25	05/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/15/25	05/15/25	
Surrogate: n-Nonane		105 %	61-141	05/15/25	05/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY		Batch: 2520104



# **QC Summary Data**

Matador Resources, LLC. Project Name: Wool Head CTB
5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002
Dallas TX, 75240 Project Manager: Ashley Giovengo 5/20/2025 8:41:39AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			5/20	J/2025 8:41:39A
	V	Analyst: RKS							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520065-BLK1)							Prepared: 0:	5/14/25 Analy	yzed: 05/14/25
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	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: 1,2-121cmoroemane-u4 Surrogate: Toluene-d8	0.511		0.500		102	70-130			
LCS (2520065-BS1)							Prepared: 0:	5/14/25 Analy	yzed: 05/14/25
Benzene	2.35	0.0250	2.50		94.0	70-130	1	•	<u>'</u>
Ethylbenzene	2.28	0.0250	2.50		91.2	70-130			
Toluene	2.33	0.0250	2.50		93.1	70-130			
o-Xylene	2.30	0.0250	2.50		92.0	70-130			
p,m-Xylene	4.60	0.0500	5.00		92.0	70-130			
Total Xylenes	6.90	0.0250	7.50		92.0	70-130			
Surrogate: Bromofluorobenzene	0.502	0.0230	0.500		100	70-130			
			0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.509 0.498		0.500		99.5	70-130			
-	0.770			C	E505151-		Duamanadi O	5/1.4/25 Amola	yzed: 05/14/25
Matrix Spike (2520065-MS1)							riepaied. 0.	5/14/25 Allaly	yzed. 03/14/23
Benzene	2.32	0.0250	2.50	ND	92.8	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.3	45-135			
Toluene	2.34	0.0250	2.50	ND	93.4	48-130			
o-Xylene	2.45	0.0250	2.50	ND	98.1	43-135			
p,m-Xylene	4.91	0.0500	5.00	ND	98.3	43-135			
Total Xylenes	7.37	0.0250	7.50	ND	98.2	43-135			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			
Matrix Spike Dup (2520065-MSD1)					E505151-		•		yzed: 05/14/25
Benzene	2.41	0.0250	2.50	ND	96.2	48-131	3.55	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.5	45-135	1.20	27	
Toluene	2.37	0.0250	2.50	ND	94.8	48-130	1.51	24	
o-Xylene	2.45	0.0250	2.50	ND	98.0	43-135	0.102	27	
p,m-Xylene	4.90	0.0500	5.00	ND	97.9	43-135	0.326	27	
Total Xylenes	7.35	0.0250	7.50	ND	98.0	43-135	0.251	27	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
			0.500		00.5	50 120			



0.500

98.7

70-130

0.494

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

# **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/20/20258:41:39AM

Dallas TX, 75240		Project Number Project Manage		003-0002 shley Gioveng	go			5/20	0/2025 8:41:39AN	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2520065-BLK1)							Prepared: 0	5/14/25 Analy	yzed: 05/14/25	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130				
Surrogate: Toluene-d8	0.511		0.500		102	70-130				
LCS (2520065-BS2)							Prepared: 0	5/14/25 Analy	yzed: 05/14/25	
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130				
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130				
Surrogate: Toluene-d8	0.524		0.500		105	70-130				
Matrix Spike (2520065-MS2)				Source:	E505151-	04	Prepared: 0	5/14/25 Analy	yzed: 05/14/25	
Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.8	70-130				
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130				
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130				
Matrix Spike Dup (2520065-MSD2)				Source:	E505151-	04	Prepared: 0	5/14/25 Analy	yzed: 05/14/25	
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	1.96	20		

0.500

0.500

0.500

0.493

0.516

0.499

70-130

70-130

70-130

98.6

103

99.7



# **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/20/20258:41:39AM

Bullus 171, 732 10		Troject Manage		iney Groveng	50				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO		Analyst: KH	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520087-BLK1)							Prepared: 0:	5/15/25 Analy	zed: 05/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.2		50.0		98.4	61-141			
LCS (2520087-BS1)							Prepared: 0	5/15/25 Analy	zed: 05/15/25
Diesel Range Organics (C10-C28)	272	25.0	250		109	66-144			
Surrogate: n-Nonane	50.4		50.0		101	61-141			
Matrix Spike (2520087-MS1)				Source:	E505157-0	03	Prepared: 0	5/15/25 Analy	zed: 05/15/25
Diesel Range Organics (C10-C28)	916	25.0	250	998	NR	56-156			M4
Surrogate: n-Nonane	61.5		50.0		123	61-141			
Matrix Spike Dup (2520087-MSD1)				Source:	E505157-	03	Prepared: 0:	5/15/25 Analy	zed: 05/15/25
Diesel Range Organics (C10-C28)	1050	25.0	250	998	21.0	56-156	13.7	20	M4
Surrogate: n-Nonane	64.3		50.0		129	61-141			

Chloride

Matrix Spike (2520104-MS1)

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	400 LBJ Freeway, Suite 1500 Project Number: 23003-0002						<b>Reported:</b> 5/20/2025 8:41:39AM		
		Anions	by EPA 3	300.0/9056	4				Analyst: IY
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2520104-BLK1)						]	Prepared: 0	5/15/25 Ar	nalyzed: 05/15/25
Chloride	ND	20.0							
LCS (2520104-BS1)						1	Prepared: 0	5/15/25 Ar	nalyzed: 05/15/25

90-110

Prepared: 05/15/25 Analyzed: 05/15/25

102

Source: E505142-04

Chloride	272	20.0	250	ND	109	80-120		
Matrix Spike Dup (2520104-MSD1)		Source: E505142-04			Prepared: 05/15/25 Analyzed: 05/15/25			
Chloride	272	20.0	250	ND	109	80-120	0.0661	20

250

256

20.0

#### 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:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/20/25 08:41

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

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.



Released to Imaging: 8/8/2025	envi
Im	Client: M
ag	Project Na
Ti.	Project M
00	Address:
<b>∞</b>	City, State
<b>%</b>	Phone: 5
02	Email: ag
5	

### **Chain of Custody**

	irot						Chai	n of Cust	ody																Po
_And	alytical L	a b nt Inform	nation			Inv	oice Informat	ion			No.	Lab	Use	e On	ly		Silvi I		TA	ΑT				State	e
lient: 1	Matador Prod	uction C	ompany		1	Company: Eng	solum LLC		L	ab W	VO#			Job 1	Num	ber		1D	2D	3D	Std	N	M C	O UT	TX
Project Name: Woolhead CTB					Address: 3122 National Parks Hwy				Lab WO# Job Num 2303			D3.	.000 Z					X	×						
roject I	Manager: Ash	ley Giov	engo			City, State, Zip:	: Carlsbad NM	, 88220			STATE OF		/ 19				E				Fiel Bi				
Address	3122 Nation	nal Parks	Hwy		<u> </u>	Phone: 575-9	988-0055			10				Ana	lysis	and	Met	hod						Progra	
City, Sta	te, Zip: Carlsh	oad NM,	88220		838	Email: agiove	engo@ensolur	n.com														SDW	A	CWA	RCRA
Phone:	575-988-0055	5			N	1iscellaneous:	77			0)-			- 1								L				
Email: a	giovengo@er	nsolum.c	om								115	115	- 1								- 2	ompl		Y	or N
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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lat Num	b ber	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		Samle		Ren	marks
1305	05/12/25	5	1	FS	01	- 4'	7		1										х			2.	_		
1403	05/1485	5	1	SW	101	- 4' - 0'-	4'		2										х			1.8			
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Additio	nal Instructio	ns: Ple	ase CC: cl	 burton@enso	olum.co	m, agiovengo	@ensolum.co	m, iestrella	@ens	olum	n.cor	n, ch	ami	l lton(	@en:	solur	n.coi	m, bi	moir	@en:	solum	.com	ı		
, (field san	npler attest to the	e validity an	d authenticit	y of this sample. I	am aware	that tampering with	h or intentionally mi	slabeling the sa	ample loc	cation,	date	or time	of co	llection	n is co	nsider	ed frau	ıd and	may b	e grour	nds for I	egal ac	tion.		
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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.

Page 12 of 13

envirotech Inc.

Printed: 5/14/2025 8:54:45AM

### **Envirotech Analytical Laboratory**

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:	05/14/25	07:00	Work Order ID:	E505149
Phone:	(972) 371-5200	Date Logged In:	05/13/25	14:47	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/20/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		<u>Comment</u>	s/Resolution
Sample T	Curn Around Time (TAT)					
	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	were custody/security seals intact?		NA			
•	e sample received on ice?					
	Note: Thermal preservation is not required, if samples at 15 minutes of sampling		Yes			
	OC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded	in comments.		
	Container 1 12 12		3.7			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?	0	NA			
	on-VOC samples collected in the correct containers		Yes			
	appropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lab	<del></del>					
	field sample labels filled out with the minimum inf ample ID?	ormation:	Yes			
	eate/Time Collected?					
	ollectors name?		Yes Yes			
Sample P	reservation		103			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved m	etals?	No			
Multinha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	ise?	No			
	, does the COC specify which phase(s) is to be anal		NA			
		,	11/1			
	act Laboratory	0	3.7			
	amples required to get sent to a subcontract laborator subcontract laboratory specified by the client and it	•	No NA	Subcontract Lab: NA		
Client Ir	<u>nstruction</u>					
L						

Date

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

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: Wool Head CTB

Work Order: E505174

Job Number: 23003-0002

Received: 5/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/22/25

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: 5/22/25

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

Project Name: Wool Head CTB

Workorder: E505174

Date Received: 5/16/2025 8:30:22AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/16/2025 8:30:22AM, under the Project Name: Wool Head CTB.

The analytical test results summarized in this report with the Project Name: Wool Head 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Client Representative

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### Sample Summary

Γ	Matador Resources, LLC.	Project Name:	Wool Head CTB	Donoutoda
	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
	Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/22/25 07:25

Client Sample ID	Lab Sample ID Mat	rix Sampled	Received	Container
FS02-0.5'	E505174-01A So	il 05/14/25	05/16/25	Glass Jar, 2 oz.
FS03-0.5'	E505174-02A So	05/14/25	05/16/25	Glass Jar, 2 oz.
FS04-0.5'	E505174-03A So	05/14/25	05/16/25	Glass Jar, 2 oz.
FS05-0.5'	E505174-04A So	05/14/25	05/16/25	Glass Jar, 2 oz.
FS06-0.5'	E505174-05A So	05/14/25	05/16/25	Glass Jar, 2 oz.
FS07-0.5'	E505174-06A So	05/14/25	05/16/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 7:25:26AM

### FS02-0.5' E505174-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2520122
Diesel Range Organics (C10-C28)	39.5	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	51.4	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		99.1 %	61-141	05/16/25	05/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2520136
Chloride	2280	20.0	1	05/16/25	05/17/25	

Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 7:25:26AM

### FS03-0.5' E505174-02

	1303174 02				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0500	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
	99.0 %	70-130	05/16/25	05/19/25	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2520114
ND	20.0	1	05/16/25	05/19/25	
	104 %	70-130	05/16/25	05/19/25	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2520122
ND	25.0	1	05/16/25	05/20/25	
ND	50.0	1	05/16/25	05/20/25	
	101 %	61-141	05/16/25	05/20/25	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2520136
3510	40.0	2	05/16/25	05/17/25	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           mg/kg         mg/kg           MD         20.0           104 %         mg/kg           ND         25.0           ND         50.0           101 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           99.0 %         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           104 %         70-130         1           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           101 %         61-141         61-141           mg/kg         mg/kg         Ana	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         05/16/25           ND         0.0250         1         05/16/25           ND         0.0250         1         05/16/25           ND         0.0250         1         05/16/25           ND         0.0500         1         05/16/25           ND         0.0250         1         05/16/25           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         05/16/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         05/16/25           ND         25.0         1         05/16/25           ND         50.0         1         05/16/25           ND         50.0         1         05/16/25           ND         50.0         1         05/16/25           mg/kg         Mg/kg         Analyst: DT	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         05/16/25         05/19/25           ND         0.0500         1         05/16/25         05/19/25           ND         0.0250         1         05/16/25         05/19/25           ND         0.0250         1         05/16/25         05/19/25           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         05/16/25         05/19/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         05/16/25         05/20/25           ND         25.0         1         05/16/25         05/20/25           ND         50.0         1         05/16/25         05/20/25           ND         50.0         1         05/16/25         05/20/25 <td< td=""></td<>



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 7:25:26AM

### FS04-0.5' E505174-03

	E303174 05				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2520114
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0500	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
	98.9 %	70-130	05/16/25	05/19/25	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2520114
ND	20.0	1	05/16/25	05/19/25	
	104 %	70-130	05/16/25	05/19/25	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2520122
191	25.0	1	05/16/25	05/20/25	
152	50.0	1	05/16/25	05/20/25	
	101 %	61-141	05/16/25	05/20/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2520136
2210	40.0	2	05/16/25	05/17/25	
	mg/kg ND ND ND ND ND ND ND ND 191 mg/kg ND mg/kg 191 152	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0           104 %         mg/kg           mg/kg         mg/kg           191         25.0           152         50.0           101 %         mg/kg           mg/kg         mg/kg	mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           mg/kg         mg/kg         Anal           ND         20.0         1           104 %         70-130         1           mg/kg         mg/kg         Anal           191         25.0         1           152         50.0         1           101 %         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         05/16/25           ND         0.0250         1         05/16/25           ND         0.0250         1         05/16/25           ND         0.0250         1         05/16/25           ND         0.0500         1         05/16/25           ND         0.0250         1         05/16/25           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         05/16/25           mg/kg         mg/kg         Analyst: NV           191         25.0         1         05/16/25           152         50.0         1         05/16/25           mg/kg         Mg/kg         Analyst: DT	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         05/16/25         05/19/25           ND         0.0500         1         05/16/25         05/19/25           ND         0.0250         1         05/16/25         05/19/25           ND         0.0250         1         05/16/25         05/19/25           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         05/16/25         05/19/25           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         05/16/25         05/19/25           mg/kg         mg/kg         Analyst: NV           191         25.0         1         05/16/25         05/20/25           152         50.0         1         05/16/25         05/20/25           106/kg         mg/kg



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 7:25:26AM

### FS05-0.5' E505174-04

	1203174 04				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2520114
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
ND	0.0500	1	05/16/25	05/19/25	
ND	0.0250	1	05/16/25	05/19/25	
	97.6 %	70-130	05/16/25	05/19/25	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2520114
ND	20.0	1	05/16/25	05/19/25	
	106 %	70-130	05/16/25	05/19/25	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2520122
287	25.0	1	05/16/25	05/20/25	
226	50.0	1	05/16/25	05/20/25	
	103 %	61-141	05/16/25	05/20/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2520136
1060	20.0	1	05/16/25	05/17/25	
	mg/kg ND ND ND ND ND ND ND ND ND The state of the state o	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0250           mg/kg         mg/kg           ND         20.0           106 %         mg/kg           mg/kg         mg/kg           287         25.0           226         50.0           103 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           97.6%         70-130         70-130           mg/kg         mg/kg         Anal           ng/kg         mg/kg         Anal           287         25.0         1           287         25.0         1           103%         61-141           mg/kg         mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: IY           ND         0.0250         1         05/16/25           ND         0.0250         1         05/16/25           ND         0.0250         1         05/16/25           ND         0.0250         1         05/16/25           ND         0.0500         1         05/16/25           ND         0.0250         1         05/16/25           mg/kg         Mg/kg         Analyst: IY           ND         20.0         1         05/16/25           mg/kg         Mg/kg         Analyst: NV           287         25.0         1         05/16/25           226         50.0         1         05/16/25           mg/kg         Mg/kg         Analyst: DT	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         05/16/25         05/19/25           ND         0.0500         1         05/16/25         05/19/25           ND         0.0250         1         05/16/25         05/19/25           MD         0.0250         1         05/16/25         05/19/25           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         05/16/25         05/19/25           mg/kg         mg/kg         Analyst: NV           287         25.0         1         05/16/25         05/20/25           226         50.0         1         05/16/25         05/20/25           226         50.0         1         05/16/25         05/20/25           mg/kg         mg/kg         Analyst: DT



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 7:25:26AM

### FS06-0.5' E505174-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	0.0505	0.0500	1	05/16/25	05/19/25	
Total Xylenes	0.0505	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2520122
Diesel Range Organics (C10-C28)	70.3	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	64.3	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		103 %	61-141	05/16/25	05/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2520136
	2880	40.0	2	05/16/25	05/17/25	-



Matador Resources, LLC.	Project Name:	Wool Head CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 7:25:26AM

### FS07-0.5' E505174-06

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2520114
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	0.0533	0.0500	1	05/16/25	05/19/25	
Total Xylenes	0.0533	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2520114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	05/16/25	05/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2520122
Diesel Range Organics (C10-C28)	78.9	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	81.2	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		101 %	61-141	05/16/25	05/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2520136
Chloride	1170	20.0	1	05/16/25	05/17/25	



### **QC Summary Data**

	<b>C</b> =	J	
Matador Resources, LLC.	Project Name:	Wool Head CTB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/22/2025 7:25:26AM
	Volatile Orga	nics by EPA 8021B	Analyst: IY

Dallas TX, 75240		Project Manager	:: As	shley Gioveng	go				5/22/2025 7:25:26AN
		Volatile C	Organics b	y EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520114-BLK1)							Prepared: 0	5/16/25 A	nalyzed: 05/19/25
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	8.16		8.00		102	70-130			
LCS (2520114-BS1)							Prepared: 0	5/16/25 A	nalyzed: 05/19/25
Benzene	5.30	0.0250	5.00		106	70-130			
Ethylbenzene	5.31	0.0250	5.00		106	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.28	0.0250	5.00		106	70-130			
o,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	7.91		8.00		98.9	70-130			
Matrix Spike (2520114-MS1)				Source:	E505174-	05	Prepared: 0	5/16/25 A	nalyzed: 05/19/25
Benzene	4.92	0.0250	5.00	ND	98.3	70-130			
Ethylbenzene	4.92	0.0250	5.00	ND	98.3	70-130			
Toluene	4.91	0.0250	5.00	ND	98.2	70-130			
o-Xylene	4.94	0.0250	5.00	ND	98.9	70-130			
p,m-Xylene	9.99	0.0500	10.0	0.0505	99.4	70-130			
Total Xylenes	14.9	0.0250	15.0	0.0505	99.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			
Matrix Spike Dup (2520114-MSD1)				Source:	E505174-	05	Prepared: 0	5/16/25 A	nalyzed: 05/19/25
Benzene	5.45	0.0250	5.00	ND	109	70-130	10.2	27	
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130	10.7	26	
Toluene	5.44	0.0250	5.00	ND	109	70-130	10.4	20	
o-Xylene	5.43	0.0250	5.00	ND	109	70-130	9.31	25	
p,m-Xylene	11.1	0.0500	10.0	0.0505	110	70-130	10.5	23	
Total Xylenes	16.5	0.0250	15.0	0.0505	110	70-130	10.1	26	
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			



Surrogate: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/22/20257:25:26AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			5/2	2/2025 7:25:26AM
	Non	halogenated	Organics	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2520114-BLK1)							Prepared: 0	5/16/25 Anal	yzed: 05/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.50		8.00		106	70-130			
LCS (2520114-BS2)							Prepared: 0	5/16/25 Anal	yzed: 05/19/25
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		99.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.65		8.00		108	70-130			
Matrix Spike (2520114-MS2)				Source:	E505174-	05	Prepared: 0	5/16/25 Anal	yzed: 05/19/25
Gasoline Range Organics (C6-C10)	58.2	20.0	50.0	ND	116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.85		8.00		111	70-130			
Matrix Spike Dup (2520114-MSD2)				Source:	E505174-	05	Prepared: 0	5/16/25 Anal	yzed: 05/19/25
Gasoline Range Organics (C6-C10)	56.0	20.0	50.0	ND	112	70-130	3.79	20	

8.00

8.37

105

70-130

### **QC Summary Data**

Matador Resources, LLC.Project Name:Wool Head CTBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/22/20257:25:26AM

,		, ,		, ,	2				
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520122-BLK1)							Prepared: 0	5/16/25 A	analyzed: 05/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.4		50.0		94.8	61-141			
LCS (2520122-BS1)							Prepared: 0	5/16/25 A	analyzed: 05/19/25
Diesel Range Organics (C10-C28)	273	25.0	250		109	66-144			
Surrogate: n-Nonane	47.4		50.0		94.9	61-141			
Matrix Spike (2520122-MS1)				Source:	E505168-2	24	Prepared: 0	5/16/25 A	analyzed: 05/19/25
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	56-156			
Surrogate: n-Nonane	47.2		50.0		94.5	61-141			
Matrix Spike Dup (2520122-MSD1)				Source:	E505168-2	24	Prepared: 0	5/16/25 A	analyzed: 05/19/25
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156	2.82	20	
Surrogate: n-Nonane	47.5		50.0		95.0	61-141			



Chloride

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Vool Head CTB 3003-0002					Reported:
Dallas TX, 75240		Project Manager:		shley Giovengo	o				5/22/2025 7:25:26AM
		Anions	by EPA	300.0/9056A					Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520136-BLK1)							Prepared: 0	5/16/25 A	nalyzed: 05/17/25
Chloride	ND	20.0							
LCS (2520136-BS1)							Prepared: 0	5/16/25 A	nalyzed: 05/17/25
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2520136-MS1)				Source: 1	E505168-	06	Prepared: 0	5/16/25 A	nalyzed: 05/17/25
Chloride	514	20.0	250	244	108	80-120			
Matrix Spike Dup (2520136-MSD1)				Source: 1	E505168-	06	Prepared: 0	5/16/25 A	nalyzed: 05/17/25

250

20.0

87.0

80-120

10.8

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**

l	Matador Resources, LLC.	Project Name:	Wool Head CTB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/22/25 07:25

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.



Released to Imaging: 8/8/2025 2:02:26 PM

	Clie	nt Inforn	nation		Inv	oice Information					Lab L	se O	nly		N mil		TA	AT .	100		State
Client: I	Matador Proc	duction C	ompany		Company: Ens	olum LLC		La	50	D#	٠	Job	Num	ber	~	1D	2D	3D S	td	NM	CO UT TX
	Name:Woolh				-	National Parks Hwy		LE	50	51	74	23	603	w	32			Х	10	х	
Project I	Manager: As	hley Giov	engo		City, State, Zip:	Carlsbad NM, 8822	0												-		
	: 3122 Natio				Phone: 575-9	88-0055						Ana	lysis	and	Met	hod				E	PA Program
	te, Zip: Carls		88220		Email: agiove	engo@ensolum.com		10											S	DWA	CWA RCRA
	575-988-005				Miscellaneous:							1				1					
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Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field	Lab Numbe	er oac/cac	yd Cad/Cas	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
922	5/14/2025	S	1		FS02 - 0.5'			1									х		1	.1	
924	5/14/2025	S	1		FS03 - 0.5'			2									х		1	.0	
926	5/14/2025	S	1		FS04 - 0.5'			3								П	х			2.0	
942	5/14/2025	S	1		FS05 - 0.5'			4		$\dagger$	$\dagger$						х			.8	
928	5/14/2025	S	1		FS06 - 0.5'			5			$\dagger$						х			3.8	
938	5/14/2025	S	1	ļ.	FS07 - 0.5'			6		$\dagger$	$^{\dagger}$	$\vdash$					х	$\vdash$		9.9	
								G		+	+	$\vdash$							-	) * (	
						-				+	+	-							- 18		
										-	+							$\vdash$			
	-									+	+	-									
م ناماند: م	! !	Dia Dia	CC: -l	t		3 i		0	l			:: 4 = :=	0						l.		
				-		@ensolum.com, iest		50								// <u>*</u>					
Sampled by	« Kutha	in K	ai	of this sample. I am aw	are that tampering with	or intentionally mislabeling		mple locat	tion, da	te or t	ime of	ollectio	n is cor	nsidere	ed frau	id and n	nay be	e ground:	for leg	gal action	1.
	ed by: (Signatur			05/15/25	0711	Received by: (Signatu	6	On a	lec	Da	515	-2	5	Time	57	11		p			equiring thermal must be received o
Relinguist	by: (Signatur	re) Tonzo	rles	J-15 25	1600	Received by: (Signatu	re de	, 0	( )	Da	te • (	:.2	2	Time		00		1000000			hey are sampled or ked on ice at a tem
Relinquish	ed by: (Signatur	re)		5 · 15 · 25	77.15	Received by Signatu	n	m	12	Da	te - (9	.29	õ	Time					abo		it less than 6°C on equent days.
Relinquish	ed by: (Signatur	re)		Date	Time	Received by: (Signatu	re)	-		Da	te			Time							Use Only
Relinquish	ed by: (Signatur	re)		Date	Time	Received by: (Signatu	re)			Da	te			Time							ived on ice: Y/N
Sample Ma	trix: S - Soil, Sd - S	olid So - Shi	dge A - Aque	ous O - Other		1	Con	tainer Ty	nue. a	- 012	ss n -	noly/	nlastic	20.	amh	er ola	SS V	- VOA			
					other arrangements	are made. Hazardous sar													ort for	the ana	lucis of the above

envirotech Inc.

Printed: 5/16/2025 1:26:12PM

#### **Envirotech Analytical Laboratory**

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:	05/16/25	08:30	Work Order ID:	E505174
Phone:	(972) 371-5200	Date Logged In:	05/15/25	14:32	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/22/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	atch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss	•			Comment	ts/Resolution
Sample '	Furn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (						
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
<del>-</del>	ne sample received on ice?		Yes			
12. ************************************	Note: Thermal preservation is not required, if samples a	re received within	103			
	15 minutes of sampling					
13. See C	COC for individual sample temps. Samples outside	of 0°C-6°C will be	recorded	in comments.		
Sample (	<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct container		Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field La	<del></del>					
	field sample labels filled out with the minimum int	formation:	W			
	ample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes Yes			
	Preservation		103			
	the COC or field labels indicate the samples were	oreserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved n	netals?	No			
Multiph	ase Sample Matrix					
	the sample have more than one phase, i.e., multiph	ase?	No			
	, does the COC specify which phase(s) is to be ana		NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborat	orv?	No			
	a subcontract laboratory specified by the client and	-	NA	Subcontract Lab: NA		
				Suovoniuuv Zuoi 1111		
CHEILI	<u>nstruction</u>					
						_

Date

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



## **APPENDIX E**

NMOCD Correspondence

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 418704

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	418704
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### QUESTIONS

Location of Release Source		
Please answer all the questions in this group.		
Site Name	WOOLHEAD CTB	
Date Release Discovered	01/08/2025	
Surface Owner	State	

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Corrosion   Pipeline (Any)   Produced Water   Released: 76 BBL   Recovered: 60 BBL   Lost: 16 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

Phone: (505) 629-6116

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

## 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 418704

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	418704
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### QUESTIONS

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

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s	afety 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.

General Information Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 418704

#### **ACKNOWLEDGMENTS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	418704
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

#### ACKNOWLEDGMENTS

$\overline{\lor}$	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
~	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.
V	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.
~	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.
~	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.
~	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.

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

CONDITIONS

Action 418704

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	418704
	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.	1/8/2025

Impacted Soil	
Saturated Soil (inches)	
Area (sq. ft.)	
	13
Standing fluids	
inches of standing fluid	
bbl estimate of standing fluids	
barrels recovered (if known)	
0.11.	
Soil type	
pad caliche	
Spill type	
produced water	
Barrel estimate in soil	
Providentiants (straightful and straightful an	15
Barrel estimate (standing fluids/ recovered+in soil)	
	75

need to populate or select

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 419073

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	419073
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500853952
Incident Name	NAPP2500853952 WOOLHEAD CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source		
Please answer all the questions in this group.		
Site Name	WOOLHEAD CTB	
Date Release Discovered	01/08/2025	
Surface Owner	State	

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Corrosion   Pipeline (Any)   Produced Water   Released: 76 BBL   Recovered: 60 BBL   Lost: 16 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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 419073

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY		OGRID: 228937
One Lincoln Centre		Action Number:
Dallas, TX 75240		419073
		Action Type:  [C-141] Initial C-141 (C-141-v-Initial)
QUESTIONS		
Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied vo	olumes 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	, ,	ease 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 th	ne 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 inju	ıry.
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 remed actions to date in the follow-up C-141 submission. If remedial efforts have been successfully comple Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure of the comments of the comm	ted or if the release occurred within a	a lined containment area (see Subparagraph (a) of Paragraph (5) of
I hereby certify that the information given above is true and complete to the best of my to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report local laws and/or regulations.	ases which may endanger public adequately investigate and remo	c health or the environment. The acceptance of a C-141 report by ediate contamination that pose a threat to groundwater, surface
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matac Date: 01/09/2025	dorresources.com

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 419073

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	419073
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)
OLIESTIONS	

#### Site Characterization Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the What is the shallowest depth to groundwater beneath the area affected by the Not answered. release in feet below ground surface (ft bgs) What method was used to determine the depth to ground water Not answered. Did this release impact groundwater or surface water Not answered What is the minimum distance, between the closest lateral extents of the release and the following surface areas: A continuously flowing watercourse or any other significant watercourse 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 Not answered. for domestic or stock watering purposes Any other fresh water well or spring Not answered. Incorporated municipal boundaries or a defined municipal fresh water well field Not answered. 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 A 100-year floodplain Not answered. Did the release impact areas not on an exploration, development, production, or Not answered. storage site

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	No	
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.		

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

CONDITIONS

Action 419073

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	419073
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

#### CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	1/9/2025

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 458177

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	458177
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500853952
Incident Name	NAPP2500853952 WOOLHEAD CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	WOOLHEAD CTB
Date Release Discovered	01/08/2025
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,306	
What is the estimated number of samples that will be gathered	7	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/07/2025	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	Israel Estrella (575) 291-9537	
Please provide any information necessary for navigation to sampling site	32.45841,-103.59156	

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

CONDITIONS

Action 458177

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	458177
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	

Phone: (505) 629-6116
Online Phone Directory
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS

Action 458179

#### QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	458179
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500853952
Incident Name	NAPP2500853952 WOOLHEAD CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	WOOLHEAD CTB
Date Release Discovered	01/08/2025
Surface Owner	State

Sampling Event General Information			
Please answer all the questions in this group.	Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,306		
What is the estimated number of samples that will be gathered	7		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/08/2025		
Time sampling will commence	09:00 AM		
Please provide any information necessary for observers to contact samplers	Israel Estrella (575) 291-9537		
Please provide any information necessary for navigation to sampling site	32.45841,-103.59156		

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

CONDITIONS

Action 458179

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	458179
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/2/2025

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 458180

#### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	458180
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500853952
Incident Name	NAPP2500853952 WOOLHEAD CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	WOOLHEAD CTB
Date Release Discovered	01/08/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,306
What is the estimated number of samples that will be gathered	7
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/09/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Israel Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.45841,-103.59156

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

CONDITIONS

Action 458180

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	458180
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/2/2025

Phone: (505) 629-6116
Online Phone Directory
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## State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 459838

#### QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	459838
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500853952
Incident Name	NAPP2500853952 WOOLHEAD CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	WOOLHEAD CTB
Date Release Discovered	01/08/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,306
What is the estimated number of samples that will be gathered	7
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/12/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Israel Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.45841,-103.59156

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

CONDITIONS

Action 459838

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	459838
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/7/2025

Phone: (505) 629-6116
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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 459840

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	459840
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2500853952
Incident Name	NAPP2500853952 WOOLHEAD CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	WOOLHEAD CTB
Date Release Discovered	01/08/2025
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,306	
What is the estimated number of samples that will be gathered	7	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2025	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	Israel Estrella (575) 291-9537	
Please provide any information necessary for navigation to sampling site	32.45841,-103.59156	

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

CONDITIONS

Action 459840

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	459840
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		Condition Date
j_touchet Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.		5/7/2025

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

QUESTIONS

Action 459847

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	459847
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2500853952
Incident Name	NAPP2500853952 WOOLHEAD CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	WOOLHEAD CTB
Date Release Discovered	01/08/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,306
What is the estimated number of samples that will be gathered	7
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/14/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Israel Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.45841,-103.59156

General Information Phone: (505) 629-6116

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

CONDITIONS

Action 459847

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	459847
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/7/2025

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 460830

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	460830
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2500853952
Incident Name	NAPP2500853952 WOOLHEAD CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	WOOLHEAD CTB
Date Release Discovered	01/08/2025
Surface Owner	State

Sampling Event General Information			
Please answer all the questions in this group.			
What is the sampling surface area in square feet	1,306		
What is the estimated number of samples that will be gathered	7		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2025		
Time sampling will commence	09:00 AM		
Please provide any information necessary for observers to contact samplers	Israel Estrella (575) 291-9537		
Please provide any information necessary for navigation to sampling site	32.45841,-103.59156		

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

CONDITIONS

Action 460830

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	460830
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/12/2025

Phone: (505) 629-6116
Online Phone Directory
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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 460832

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	460832
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2500853952
Incident Name	NAPP2500853952 WOOLHEAD CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	WOOLHEAD CTB
Date Release Discovered	01/08/2025
Surface Owner	State

Sampling Event General Information			
Please answer all the questions in this group.			
What is the sampling surface area in square feet	1,306		
What is the estimated number of samples that will be gathered	7		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/16/2025		
Time sampling will commence	09:00 AM		
Please provide any information necessary for observers to contact samplers	Israel Estrella (575) 291-9537		
Please provide any information necessary for navigation to sampling site	32.45841,-103.59156		

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

CONDITIONS

Action 460832

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	460832
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/12/2025

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

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

QUESTIONS

Action 482367

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	482367
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Prerequisites	
Incident ID (n#) nAPP2500853952	
Incident Name	NAPP2500853952 WOOLHEAD CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WOOLHEAD CTB
Date Release Discovered	01/08/2025
Surface Owner	State

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Corrosion   Pipeline (Any)   Produced Water   Released: 76 BBL   Recovered: 60 BBL   Lost: 16 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

Phone: (505) 629-6116
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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 2

Action 482367

QUESTI	ONS (continued)
Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	482367
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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 s	afety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/07/2025

Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 482367

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	482367
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

al and beyond). This information must be provided to the appropriate district office no later than 90 days after the		
Between 100 and 500 (ft.)		
NM OSE iWaters Database Search		
No		
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
Between ½ and 1 (mi.)		
Between 1 and 5 (mi.)		
Greater than 5 (mi.)		
Between ½ and 1 (mi.)		
Between ½ and 1 (mi.)		
Between 1 and 5 (mi.)		
Between 1 and 5 (mi.)		
Greater than 5 (mi.)		
Greater than 5 (mi.)		
Low		
Greater than 5 (mi.)		
Yes		

Remediation Plan		
Please answer all the questions t	hat apply or are indicated. This information must be provided t	to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	emonstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical	al extents of contamination been fully delineated	Yes
Was this release entirely of	ontained within a lined containment area	No
Soil Contamination Sampling	g: (Provide the highest observable value for each, in n	milligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	10300
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	107
GRO+DRO	(EPA SW-846 Method 8015M)	57
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	NMAC unless the site characterization report includes complet nelines for beginning and completing the remediation.	ted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
On what estimated date w	ill the remediation commence	05/07/2025
On what date will (or did) t	he final sampling or liner inspection occur	05/14/2025
On what date will (or was)	the remediation complete(d)	05/14/2025
What is the estimated surf	ace area (in square feet) that will be reclaimed	200
What is the estimated volu	me (in cubic yards) that will be reclaimed	30
What is the estimated surf	ace area (in square feet) that will be remediated	1306
What is the estimated volu	me (in cubic yards) that will be remediated	56
These estimated dates and measu	urements are recognized to be the best guess or calculation at t	the time of submission and may (be) change(d) over time as more remediation efforts are completed.
These estimated dates and measu	urements are recognized to be the best guess or calculation at t	1 **

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 4

Action 482367

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	482367
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)		
Which OCD approved facility will be used for off-site disposal	Not answered.	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Yes	
What is the name of the NMED facility	R360 Hobbs NM	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Jason Touchet Title: EHS Field Rep

Email: jason.touchet@matadorresources.com

Date: 07/07/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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 482367

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	482367
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Phone: (505) 629-6116
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### State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 482367

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	482367
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	460832	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/16/2025	
What was the (estimated) number of samples that were to be gathered	7	
What was the sampling surface area in square feet	1306	

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	1306	
What was the total volume (cubic yards) remediated	56	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	200	
What was the total volume (in cubic yards) reclaimed	30	
Summarize any additional remediation activities not included by answers (above)	N/A	

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: EHS Field Rep
Email: jason.touchet@matadorresources.com
Date: 07/07/2025

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 482367

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	482367
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

CONDITIONS

Action 482367

#### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	482367
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Crea By	ed		Condition Date
nve	lez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	8/8/2025