



June 6, 2025

New Mexico Oil Conservation Division

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

**Re: Deferral Request
Leslie West Tank Battery
Incident Number nAPP2502638920
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request* to document excavation and soil sampling activities performed at the Leslie West Tank Battery (Site). The purpose of the excavation and soil sampling activities was to address impacts to soil following a release of crude oil onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results following excavation activities, Matador is submitting this *Deferral Request*, describing Site assessment and excavation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2502638920 until the Site is reconstructed and/or the pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit N, Section 17, Township 25 South, Range 35 East, in Lea County, New Mexico (32.12418°, -103.39192°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On January 25, 2025, equipment failure caused by the corrosion of pipe connection on a transfer pump resulted in the release of approximately 23 barrels (bbls) of crude oil onto the caliche pad; 20 bbls of crude oil was recovered. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via email and submitted a Release Notification Form C-141 (Form C-141) via web portal on January 28, 2025, and the release was assigned Incident Number nAPP2502638920.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on the initial C-141 application subsection, Site Characterization.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04962 POD1, with a depth to water measurement greater than 100 feet below ground surface (bgs). The well was advanced at the Site to assess depth to water beneath the

Matador Production Company
Leslie West Tank Battery
Deferral Request

Site. All wells used to establish depth to groundwater are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 2.17 miles 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 not within 1,000 feet of a freshwater well or spring. The Site 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). Potential Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT ACTIVITIES

On January 27, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

DELINEATION SOIL SAMPLING ACTIVITIES

On February 07, 2025, Ensolum personnel were onsite to collect lateral delineation soil sample SS01 at ground surface. Ensolum personnel returned to the Site on February 12, 2025, to collect lateral delineation soil samples SS02 through SS04 at ground surface to verify the lateral extent of impacted soil and to advance four boreholes (BH01 through BH04) within the release extent to verify the vertical extent of impacted soil. Boreholes BH01 through BH04 were advanced via hand auger to a depth of 4.5 feet bgs in BH01, 6 feet bgs in BH02, 2 feet bgs in BH03, and 5 feet bgs in borehole BH04.

On February 26, 2025, Ensolum personnel returned to the Site to advance boreholes BH01 and BH03 via backhoe to a depth of 6 feet bgs and 3 feet bgs, respectively. Discrete delineation soil samples were collected from each borehole and field screened for chloride utilizing Hach® chloride QuanTab® test strips and for volatile organic compounds (VOCs) using a calibrated Honeywell® photoionization detector (PID). Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

Lateral delineation soil samples SS01 through SS04 and discrete delineation soil samples from boreholes BH01 through BH04 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.

Matador Production Company
Leslie West Tank Battery
Deferral Request

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on April 14, 2025, Ensolum personnel oversaw the excavation of impacted and waste-containing soil from the release area. The excavation of the release area was completed with a backhoe, hydro-vac, and hand tools. The excavation occurred on the well pad on the south side of the lined secondary containment, around production equipment, removing soil where applicable as to not degrade the structural integrity of the soil surrounding production equipment. To direct excavation activities, Ensolum personnel field screened soil samples for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® TPH Analyzer, respectively.

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 FS17 were collected from the floor of the excavation ranging from 0.5 to 6 feet bgs. Composite soil samples SW01 through SW04 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 6 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.

A hydro-vac was used to remove impacted soil within confirmation sample areas FS10, FS11, and FS13 and a crew was used to hand dig confirmation sample areas FS01, FS02, FS03, FS07, and FS08 due to the proximity of the sample areas to active pipelines and electrical conduit. The final excavation extent measured approximately 3,369 square feet. A total of approximately 160 cubic yards of impacted and waste-containing soil was removed during the excavation activities. Impacted and waste-containing soil was transported and properly disposed of at the Northern Delaware Basin in Jal, New Mexico.

LABORATORY ANALYTICAL RESULTS

Lateral delineation soil samples SS01 through SS04 were all in compliance with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I at ground surface. Laboratory analytical results for delineation soil samples collected from boreholes BH01, through BH05 were all in compliance with the Site Closure Criteria at depths ranging from 2 feet o 6 feet bgs. Borehole BH01 was in compliance with the strictest Closure Criteria per NMOCD Table I at a depth of 6 feet bgs, boreholes BH02 and BH05 were in compliance with the strictest Closure Criteria at a depth of 2 feet bgs, borehole BH03 was in compliance with the strictest Closure Criteria at a depth of 3 feet bgs, and borehole BH04 was in compliance with the strictest Closure Criteria at a depth of 5 feet bgs.

Laboratory analytical results for excavation sidewall samples SW01 through SW03 and excavation floor samples FS02 through FSFS06, FS10 through FS13, and FS15 through FS17 indicated all COC concentrations were compliant with the Site Closure Criteria and in compliance with the strictest Closure Criteria per 19.15.29.13.D (1) NMAC. Excavation sidewall sample SW04 and confirmation floor samples FS01, FS09, and FS14 indicated all COC concentrations were compliant with the Site Closure Criteria. Confirmation floor samples FS08 exceeded Site closure criteria for TPH and floor sample FS07 exceeded Site closure criteria for GRO+DRO. The laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included in Appendix D. All sampling notifications to NMOCD and additional correspondence is included in Appendix E.

Matador Production Company
Leslie West Tank Battery
Deferral Request

DEFERRAL REQUEST

Matador is requesting deferral of final remediation due to the presence of active production equipment, process piping, the supports beneath them, preventing full excavation of impacted soil. The estimated area of remaining impacted soil measures approximately 400 square feet, and assuming a depth of up to 2 feet bgs under the process piping and supports on the south side of the lined containment based on the analytical results from surrounding confirmation samples and delineation borehole BH05 a total of approximately 15 cubic yards of impacted soil remains in place. Soil in the vicinity of floor confirmation soil samples FS07 and FS08 are included in this deferment request due to the proximity of production equipment and safety concerns of excavating deeper, which has the potential to destabilize the equipment and harm workers and/or the environment. The deferral area and delineation soil samples are depicted on Figure 4.

Impacted soil is limited to the area beneath active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS04 at ground surface, sidewall soil sample SW01 through SW03 at ground surface to 6 feet bgs and vertically delineated by borehole samples BH02 and BH05 at 2 feet bgs, BH01 at 6 feet bgs, BH03 at 3 feet bgs, and BH04 at 5 feet bgs. Vertical delineation inside confirmation sample areas FS07 and FS08 could not be advanced due to process piping; however, the depth of contamination in these areas can be estimated by using the nearby delineation sample BH05.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 100 feet bgs, and all accessible impacted soil was removed to the Maximum Extent Practicable (MEP) during the excavation activities. Any gross impacts were removed via scraping of the ground surface. Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Matador requests deferral of final remediation for Incident Number nAPP2502638920 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,
Ensolum, LLC



Chad Hamilton
Project Geologist



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

cc: Jason Touchet, Matador Production Company

Matador Production Company
Leslie West Tank Battery
Deferral Request





Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Areas of Requested Deferral
Table 1	Delineation Soil Sample Analytical Results
Table 2	Excavation Soil Sample Analytical Results
Table 3	Sidewall Soil Sample Analytical Results
Appendix A	Well Log and Record
Appendix B	Photographic Log
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Correspondence






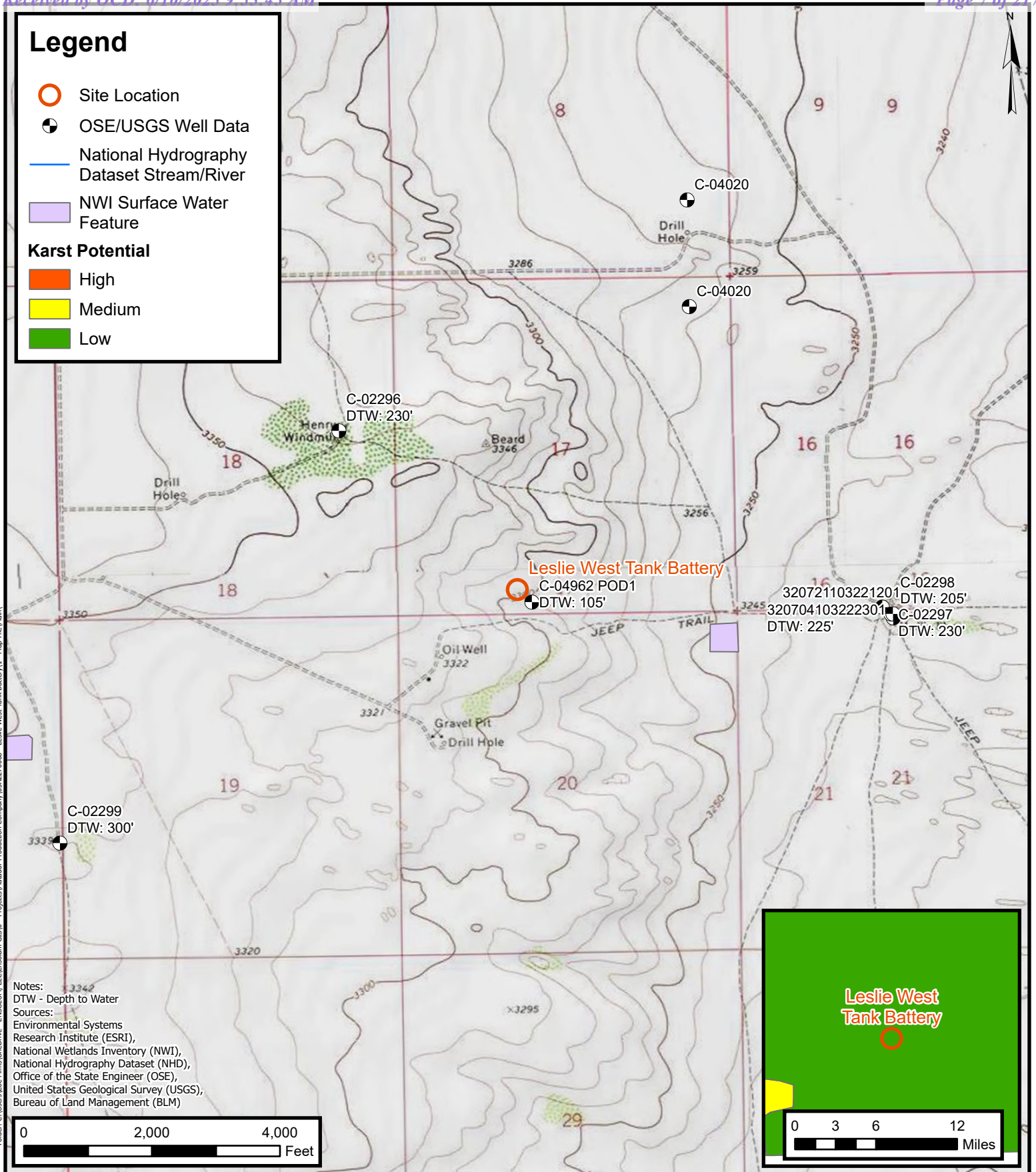
FIGURES

Legend

-  Site Location
-  OSE/USGS Well Data
-  National Hydrography Dataset Stream/River
-  NWI Surface Water Feature

Karst Potential

-  High
-  Medium
-  Low



Site Receptor Map

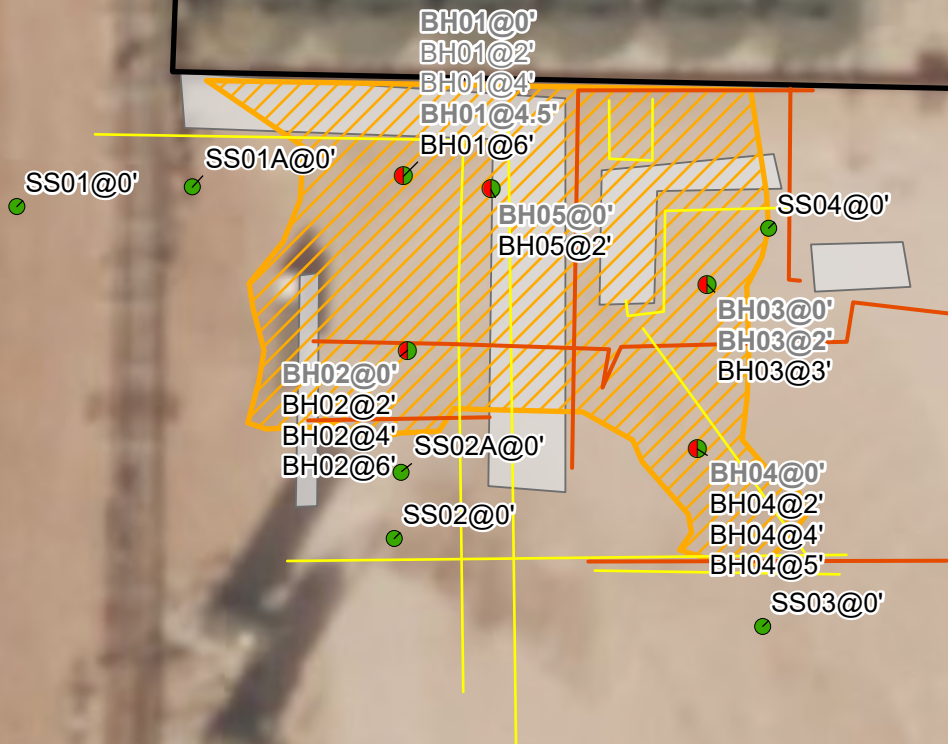
Matador Production Company
 Leslie West Tank Battery
 Incident Number: nAPP2502638920
 Unit N, Section 17, T 25S, R 35E
 Lea County, New Mexico

FIGURE

1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Release Extent
- Liner Containment Area
- Production Equipment



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable closure criteria.
 Grey text indicate soil sample was removed during excavation activities.

0 5 10 20 30 40
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

Matador Production Company
 Leslie West Tank Battery
 Incident Number: nAPP2502638920
 Unit N, Section 17, T 25S, R 35E
 Lea County, New Mexico

FIGURE

2



Legend

- Confirmation Soil Sample in Compliance with Closure Criteria
- Confirmation Soil Sample with Concentrations Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- ▭ Liner Containment Area
- ▭ Production Equipment
- ▨ Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable closure criteria.

0 5 10 20 30 40
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Confirmation Soil Sample Locations

Matador Production Company
 Leslie West Tank Battery
 Incident Number: nAPP2502638920
 Unit N, Section 17, T 25S, R 35E
 Lea County, New Mexico

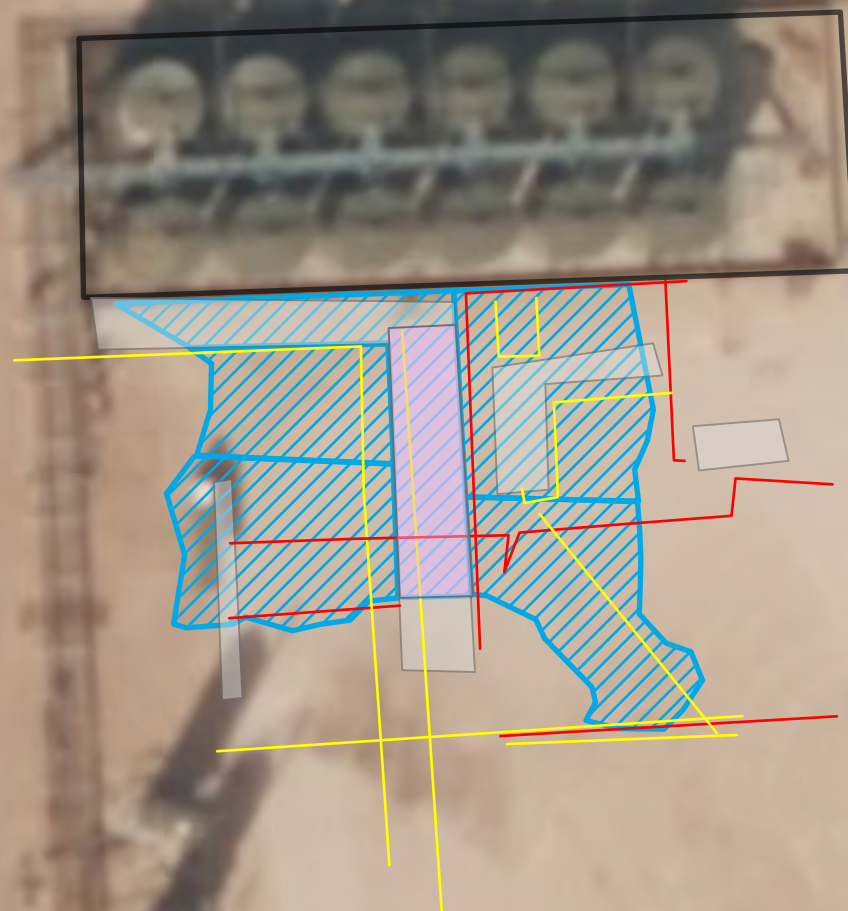
FIGURE

3



Legend

- Electric Utility Line
- Oil and Gas Utility Line
- Liner Containment Area
- Production Equipment
- Excavation Extent
- Deferral Area



0 5 10 20 30 40
Feet

Sources: Environmental Systems Research Institute (ESRI)



Area of Requested Deferral

Matador Production Company
Leslie West Tank Battery
Incident Number: nAPP2502638920
Unit N, Section 17, T 25S, R 35E
Lea County, New Mexico

FIGURE

4



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Leslie West Tank Battery
 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
Delineation Soil Samples										
SS01	2/7/2025	0	<0.0250	<0.0500	<20.0	38.2	<50.0	38.2	38.2	26.4
SS01A	4/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	268
SS02	2/12/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	22.8
SS02A	4/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.0
SS03	2/12/2025	0	0.0434	0.1904	<20.0	<25.0	<50.0	<20.0	<20.0	53.3
SS04	2/12/2025	0	<0.0250	0.126	<20.0	37.6	<50.0	37.6	37.6	25.5
BH01	2/12/2025	0	7.36	942.36	4,370	32800	10,000	42,800	47,170	327
BH01	2/12/2025	2	<0.0250	0.0317	<20.0	94.5	<50.0	94.5	94.5	<20.0
BH01	2/12/2025	4	<0.0250	0.0291	<20.0	35.9	<50.0	35.9	35.9	<20.0
BH01	2/12/2025	4.5	0.0829	30.7	158	2,780	829	2,938	3,096	37.5
BH01	2/26/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH02	2/12/2025	0	10.8	489.2	2,470	24,800	10,500	27,270	37,770	1,650
BH02	2/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	83.2
BH02	2/12/2025	4	<0.0250	0.043	<20.0	<25.0	<50.0	<20.0	<20.0	207
BH02	2/12/2025	6	<0.0250	0.079	<20.0	64.6	<50.0	64.6	64.6	241
BH03	2/12/2025	0	17.7	620.4	2,650	34,900	12,100	37,550	49,650	156
BH03	2/12/2025	2	0.214	21.92	136	2,510	960	2,646	6,116	70.3
BH03	2/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	47.4
BH04	2/12/2025	0	8.52	761.32	3,540	38,100	13,900	41,640	93,640	612
BH04	2/12/2025	2	<0.0250	0.0275	<20.0	<25.0	<50.0	<20.0	<20.0	286
BH04	2/12/2025	4	<0.0250	0.1768	<20.0	182	84.6	182	266.6	351
BH04	2/12/2025	5	<0.0250	0.0399	<20.0	29.1	<50.0	29.1	29.1	505
BH05	4/22/2025	0	<0.0500	<0.0500	<40.0	2,550	988	2,550	3,538	196
BH05	4/22/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Leslie West Tank Battery
 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
Excavation Floor Soil Samples										
FS01	4/15/2025	0.5	<0.0250	<0.0500	<20.0	231	74.1	231	305.1	40.9
FS02	4/15/2025	0.5	<0.0250	<0.0500	<20.0	47.0	<50.0	47.0	47.0	248
FS03	4/16/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.7
FS04	4/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4.46
FS05	4/17/2025	1	<0.0250	<0.0500	<20.0	97.8	<50.0	97.8	97.8	47.8
FS06	4/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS07	4/17/2025	1	0.0416	29.3	220	11,200	4,570	11,200	15,770	22.4
FS08	4/17/2025	1	<0.0250	0.1730	<20.0	1,420	634	1,420	2,054	5.41
FS09	4/17/2025	1	<0.0250	<0.0500	<20.0	123	84.3	123	207	10.2
FS10	4/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11.8
FS11	4/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.8
FS12	4/17/2025	1	<0.0250	<0.0500	<20.0	37.7	<50.0	37.7	37.7	<20.0
FS13	4/22/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.0
FS14	4/22/2025	1	<0.0250	<0.0500	<20.0	368	161	368	529	<20.0
FS15	4/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS16	4/22/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS17	4/22/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	358
Excavation Sidewall Soil Samples										
SW01	4/18/2025	0-6'	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW02	4/18/2025	0-1'	<0.0250	<0.0500	<20.0	45.8	<50.0	45.8	<50.0	<20.0
SW03	4/18/2025	0-1'	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW04	4/18/2025	0-2'	<0.0250	<0.0500	<20.0	251	128.0	251	379.0	327

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1		WELL TAG ID NO. N/A		OSE FILE NO(S). C 4962 POD1			
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS R347 N26th Rural Street 2nd Floor				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 07	SECONDS 24.4	N		
		LONGITUDE 103		23	28.1	W		
* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit N, Section 17, Township 25S, Range 35E								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1188		NAME OF LICENSED DRILLER John Scarborough			NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.		
	DRILLING STARTED 5/9/2025		DRILLING ENDED 5/9/2025		DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	105	5.00	Soil Boring				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 1 OF 2

[illegible]

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO

POD NO

TRN NO.

LOCATION


WELL TAG ID NO.


PAGE 2 OF 2





APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: BH01		Date: 2/12/2024	
								Site Name: Laslie West Tank Battery			
								Incident Number: nAPP2502638920			
								Job Number: 03A2270068			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: CH OA		Method: Hand Auger	
Coordinates: 32.124162, -103.391920								Hole Diameter: 3"		Total Depth: 6'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			Y	BH01	0	0	CCHE	Pad Caliche			
M			N	BH01	1	1	SC	Clayey Sand - Loose, Red to Medium Brown, Coarse to very fine, Moist, Non-Plastic, Noncohesive, Massive, Non-Uniform			
M			N	BH01	2	2					
M			N	BH01	3	3					
M		166.6	N	BH01	4	4					
M		225	N	BH01	4.5	5					
M	100	17	N	BH01	6	6					
Total Depth @ 6 ft bgs											

								Sample Name: BH02		Date: 2/12/2024	
								Site Name: Laslie West Tank Battery			
								Incident Number: nAPP2502638920			
								Job Number: 03A2270068			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: CH OA		Method: Hand Auger	
Coordinates: 32.124097, -103.391915								Hole Diameter: 3"		Total Depth: 6'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			Y	BH02	0	0	CCHE	Pad Caliche			
M			N	BH02	1	1	SP-SC	Clayey Sand - Loose, Red to Medium Brown, Coarse to very fine, Moist, Non-Plastic, Noncohesive, Massive, Non-Uniform			
M			N	BH02	2	2					
M			N	BH02	3	3					
M			N	BH02	4	4					
M		92.6	N	BH02	5	5	SC	Sandy Clay - Medium Dense, Red to Medium Brown, Very fine to coarse, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform			
D		36	N	BH02	6	6					
Total Depth @ 6 ft bgs											

								Sample Name: BH03		Date: 2/12/2024	
								Site Name: Laslie West Tank Battery			
								Incident Number: nAPP2502638920			
								Job Number: 03A2270068			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: CH OA		Method: Hand Auger	
Coordinates: 32.124126, -103.391784								Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			Y	BH03	0	0	CCHE	Pad Caliche			
D			N	BH03	1	1	CCHE	Caliche - Medium dense, White to yellow, mostly coarse to fine with some small to large cobbles, Dry, Non-Plastic, Noncohesive, Massive, Non-Uniform			
D		>500	N	BH03	2	2					
		225	N		2.5						
D		14	N	BH03	3	3					
Total Depth @ 3 ft bgs											

		Sample Name: BH04		Date: 2/12/2024				
		Site Name: Laslie West Tank Battery						
		Incident Number: nAPP2502638920						
		Job Number: 03A2270068						
LITHOLOGIC / SOIL SAMPLING LOG				Logged By: CH OA		Method: Hand Auger		
Coordinates: 32.124064, -103.391785				Hole Diameter: 3"		Total Depth: 5'		
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH04	0	0	CCHE	Pad Caliche
M			N	BH04	1	1	SC	Clayey Sand - Loose, Red to Medium Brown, Coarse to very fine, Moist, Non-Plastic, Noncohesive, Massive, Non-Uniform
M			N	BH04	2	2		
M		>350	N	BH04	3	3		
M			N	BH04	4	4		
M		96.7	N	BH04	5	5		
Total Depth @ 5 ft bgs								



APPENDIX C

Photographic Log

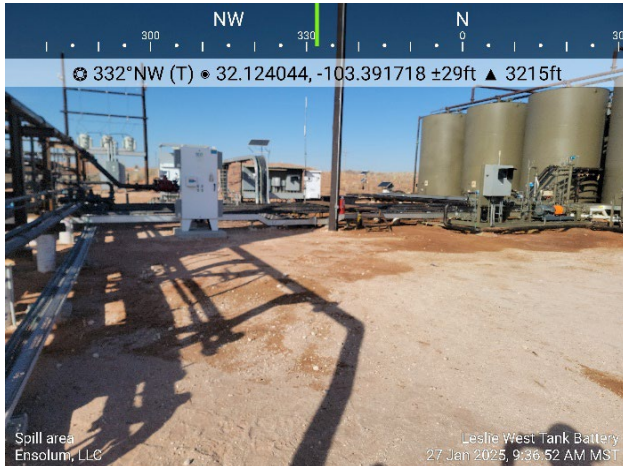


Photographic Log

Matador Production Company

Leslie West Tank Battery

Incident Number: nAPP2502638920



Photograph 1
Description: Initial Spill
View: Northwest

Date: 01/27/2025



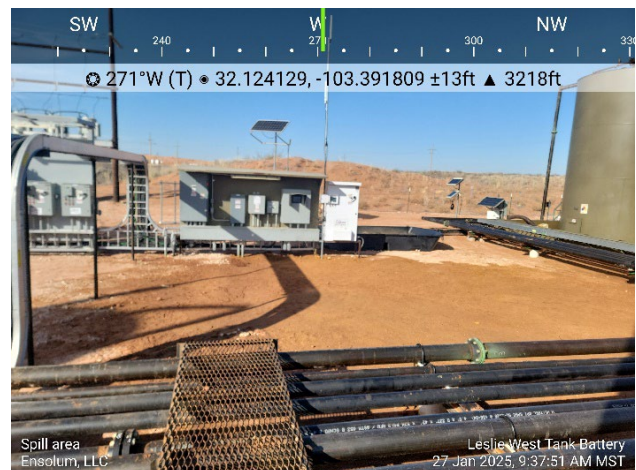
Photograph 2
Description: Initial Spill
View: North

Date: 01/27/2025



Photograph 3
Description: Initial Spill
View: West

Date: 01/27/2025



Photograph 4
Description: Initial Spill
View: West

Date: 01/27/2025



Photographic Log

Matador Production Company

Leslie West Tank Battery

Incident Number: nAPP2502638920



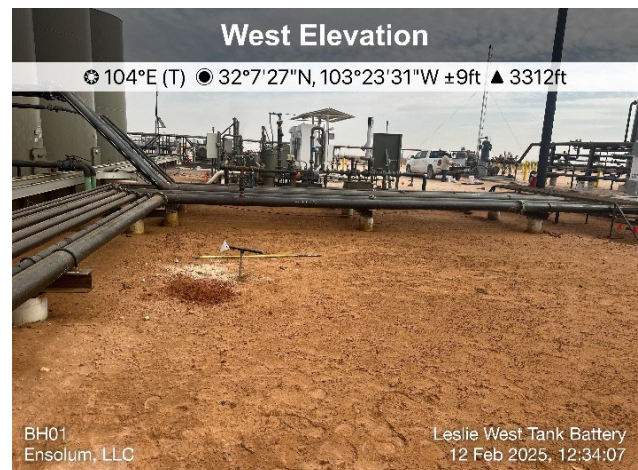
Photograph 5 Date: 02/07/2025
Description: Delineation Soil Sampling
View: Northwest



Photograph 6 Date: 02/07/2025
Description: Delineation Soil Sampling
View: Southwest



Photograph 7 Date: 02/12/2025
Description: Delineation Soil Sampling
View: Northwest



Photograph 8 Date: 02/12/2025
Description: Delineation Soil Sampling
View: West

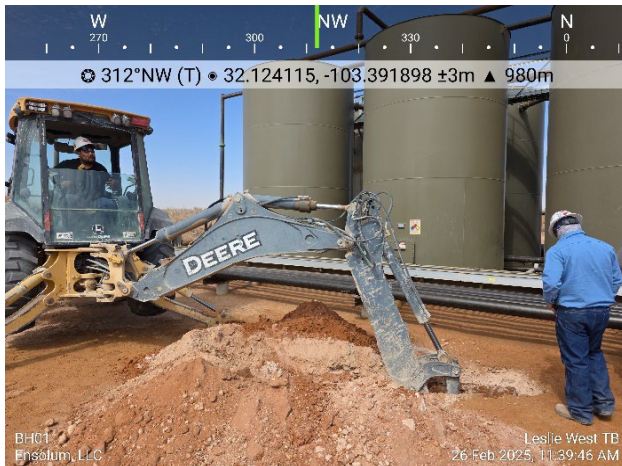


Photographic Log

Matador Production Company

Leslie West Tank Battery

Incident Number: nAPP2502638920



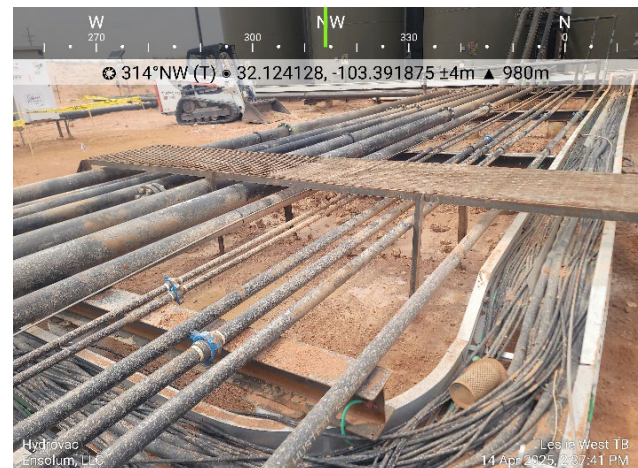
Photograph 9 Date: 02/26/2025
Description: Delineation Soil Sampling
View: Northwest



Photograph 10 Date: 02/26/2025
Description: Delineation Soil Sampling
View: North



Photograph 11 Date: 04/14/2025
Description: Excavation Activities
View: West



Photograph 12 Date: 04/14/2025
Description: Excavation Activities
View: Northwest

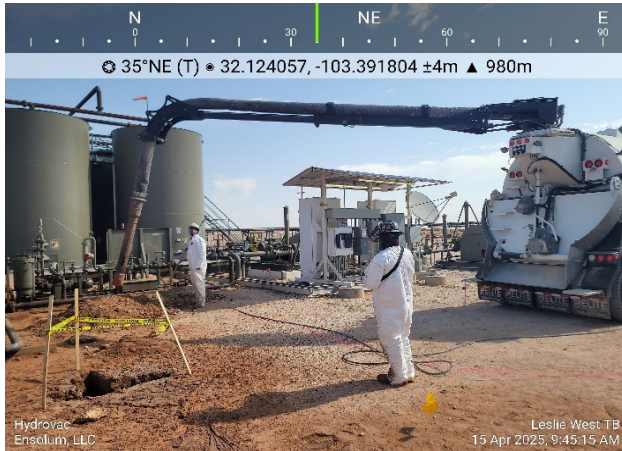


Photographic Log

Matador Production Company

Leslie West Tank Battery

Incident Number: nAPP2502638920



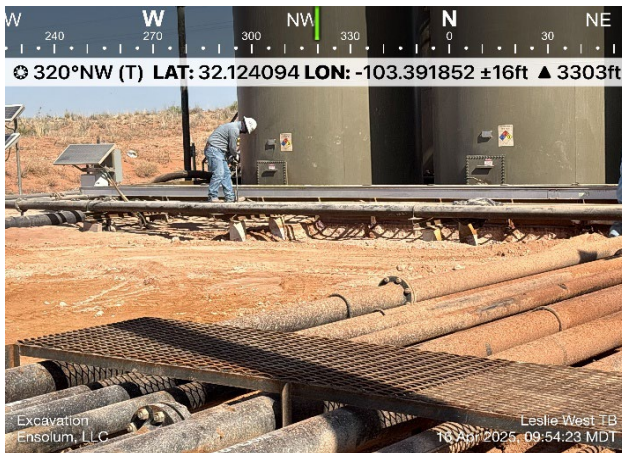
Photograph 13
Description: Hydrovac
View: Northeast

Date: 04/15/2025



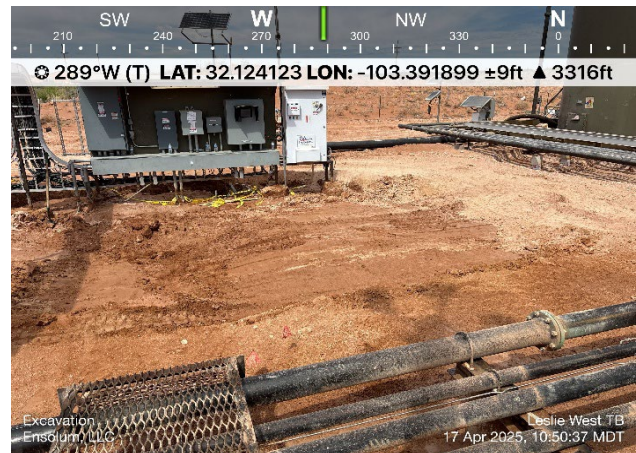
Photograph 14
Description: Hydrovac
View: Northwest

Date: 04/16/2025



Photograph 15
Description: Excavation Activities
View: Northwest

Date: 04/16/2025



Photograph 16
Description: Excavation
View: West

Date: 04/17/2025



Photographic Log

Matador Production Company

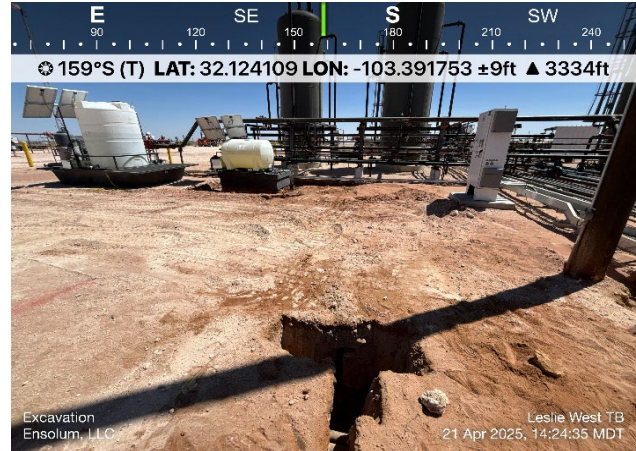
Leslie West Tank Battery

Incident Number: nAPP2502638920



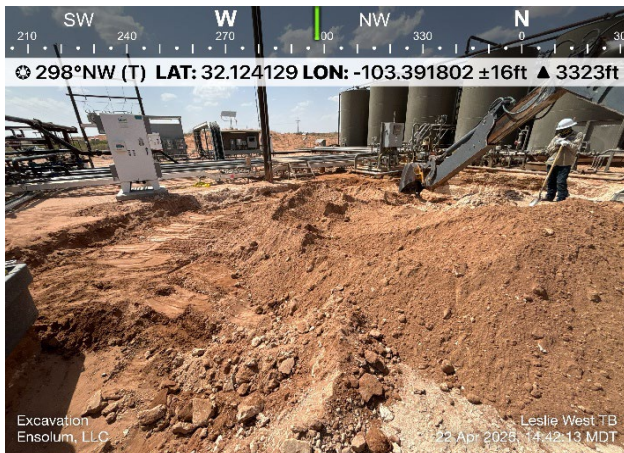
Photograph 17
Description: Excavation
View: Northwest

Date: 04/21/2025



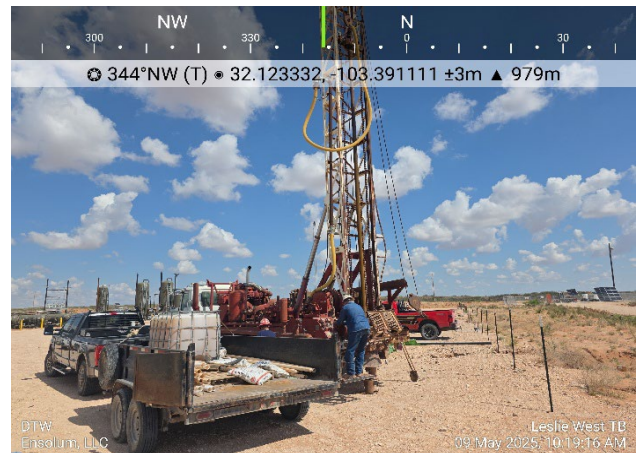
Photograph 18
Description: Excavation
View: South

Date: 04/21/2025



Photograph 19
Description: Excavation Activities
View: Northwest

Date: 04/22/2025



Photograph 20
Description: Depth to Water Boring
View: North

Date: 05/09/2025



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Leslie West TB

Work Order: E502072

Job Number: 23003-0002

Received: 2/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/14/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/14/25



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

Project Name: Leslie West TB
Workorder: E502072
Date Received: 2/11/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/11/2025 7:30:00AM, under the Project Name: Leslie West TB.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01-0'	5
QC Summary Data	6
QC - Volatile Organic Compounds by EPA8260B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/14/25 12:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E502072-01A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/14/2025 12:27:58PM

SS01-0'

E502072-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	02/11/25	02/11/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	02/11/25	02/11/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	02/11/25	02/11/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	02/11/25	02/11/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507030
Diesel Range Organics (C10-C28)	38.2	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507032
Chloride	26.4	20.0	1	02/11/25	02/11/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/14/2025 12:27:58PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2507026-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

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	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2507026-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.16	0.0250	2.50		86.4	70-130			
Ethylbenzene	2.30	0.0250	2.50		92.2	70-130			
Toluene	2.37	0.0250	2.50		94.8	70-130			
o-Xylene	2.26	0.0250	2.50		90.5	70-130			
p,m-Xylene	4.75	0.0500	5.00		94.9	70-130			
Total Xylenes	7.01	0.0250	7.50		93.4	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike (2507026-MS1)

Source: E502074-02

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.19	0.0250	2.50	ND	87.4	48-131			
Ethylbenzene	2.36	0.0250	2.50	ND	94.5	45-135			
Toluene	2.42	0.0250	2.50	ND	96.9	48-130			
o-Xylene	2.35	0.0250	2.50	ND	93.8	43-135			
p,m-Xylene	4.94	0.0500	5.00	ND	98.8	43-135			
Total Xylenes	7.28	0.0250	7.50	ND	97.1	43-135			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike Dup (2507026-MSD1)

Source: E502074-02

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.11	0.0250	2.50	ND	84.4	48-131	3.54	23	
Ethylbenzene	2.23	0.0250	2.50	ND	89.2	45-135	5.77	27	
Toluene	2.34	0.0250	2.50	ND	93.6	48-130	3.44	24	
o-Xylene	2.28	0.0250	2.50	ND	91.4	43-135	2.66	27	
p,m-Xylene	4.80	0.0500	5.00	ND	96.0	43-135	2.87	27	
Total Xylenes	7.08	0.0250	7.50	ND	94.4	43-135	2.80	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/14/2025 12:27:58PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507026-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2507026-BS2)

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	59.0	20.0	50.0		118	70-130			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike (2507026-MS2)

Source: E502074-02

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	57.9	20.0	50.0	ND	116	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

Matrix Spike Dup (2507026-MSD2)

Source: E502074-02

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	60.3	20.0	50.0	ND	121	70-130	4.03	20	
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/14/2025 12:27:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2507030-BLK1)					Prepared: 02/11/25 Analyzed: 02/11/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	61-141			

LCS (2507030-BS1)					Prepared: 02/11/25 Analyzed: 02/11/25				
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	53.1		50.0		106	61-141			

Matrix Spike (2507030-MS1)					Source: E502073-02		Prepared: 02/11/25 Analyzed: 02/11/25		
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156			
Surrogate: n-Nonane	55.0		50.0		110	61-141			

Matrix Spike Dup (2507030-MSD1)					Source: E502073-02		Prepared: 02/11/25 Analyzed: 02/11/25		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	3.86	20	
Surrogate: n-Nonane	54.6		50.0		109	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/14/2025 12:27:58PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2507032-BLK1)					Prepared: 02/11/25 Analyzed: 02/11/25				
Chloride	ND	20.0							
LCS (2507032-BS1)					Prepared: 02/11/25 Analyzed: 02/11/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2507032-MS1)					Source: E502073-03		Prepared: 02/11/25 Analyzed: 02/11/25		
Chloride	704	20.0	250	515	75.4	80-120			M2
Matrix Spike Dup (2507032-MSD1)					Source: E502073-03		Prepared: 02/11/25 Analyzed: 02/11/25		
Chloride	726	20.0	250	515	84.4	80-120	3.13	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Leslie West TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/14/25 12:27

- M2 Matrix spike recovery was outside quality control limits. 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 1 of 1

**envirotech**

Envirotech Analytical Laboratory

Printed: 2/11/2025 9:21:44AM

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:	02/11/25 07:30	Work Order ID:	E502072
Phone:	(972) 371-5200	Date Logged In:	02/10/25 15:27	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/17/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Leslie West Tank Battery

Work Order: E502119

Job Number: 23003-0002

Received: 2/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/19/25

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: 2/19/25



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

Project Name: Leslie West Tank Battery
Workorder: E502119
Date Received: 2/14/2025 8:00:16AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/14/2025 8:00:16AM, under the Project Name: Leslie West Tank Battery.

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

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
SS02-0'	6
SS03-0'	7
SS04-0'	8
BH01-0'	9
BH01-2'	10
BH01-4'	11
BH01-4.5'	12
BH02-0'	13
BH02-2'	14
BH02-4'	15
BH02-6'	16
BH03-0'	17
BH03-2'	18
BH04-0'	19
BH04-2'	20
BH04-4'	21
BH04-5'	22
QC Summary Data	23
QC - Volatile Organics by EPA 8021B	23
QC - Nonhalogenated Organics by EPA 8015D - GRO	24

Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	25
QC - Anions by EPA 300.0/9056A	26
Definitions and Notes	27
Chain of Custody etc.	28

Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Leslie West Tank Battery

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

02/19/25 08:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02-0'	E502119-01A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
SS03-0'	E502119-02A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
SS04-0'	E502119-03A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH01-0'	E502119-04A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH01-2'	E502119-05A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH01-4'	E502119-06A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH01-4.5'	E502119-07A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH02-0'	E502119-08A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH02-2'	E502119-09A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH02-4'	E502119-10A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH02-6'	E502119-11A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH03-0'	E502119-12A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH03-2'	E502119-13A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH04-0'	E502119-14A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH04-2'	E502119-15A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH04-4'	E502119-16A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
BH04-5'	E502119-17A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West Tank Battery Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/19/2025 8:38:22AM
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SS02-0'

E502119-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.7 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	22.8	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

SS03-0'

E502119-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	0.0434	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	0.147	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.4 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	115 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	53.3	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

SS04-0'

E502119-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	0.126	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	37.6	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	122 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	25.5	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH01-0'

E502119-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	7.36	0.500	20	02/14/25	02/15/25	
Ethylbenzene	102	0.500	20	02/14/25	02/15/25	
Toluene	281	0.500	20	02/14/25	02/15/25	
o-Xylene	135	0.500	20	02/14/25	02/15/25	
p,m-Xylene	417	1.00	20	02/14/25	02/15/25	
Total Xylenes	552	0.500	20	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.8 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	4370	400	20	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	115 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	32800	250	10	02/14/25	02/14/25	T9
Oil Range Organics (C28-C36)	10000	500	10	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	962 %	61-141		02/14/25	02/14/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	327	20.0	1	02/14/25	02/14/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West Tank Battery Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/19/2025 8:38:22AM
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BH01-2'

E502119-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	0.0317	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.0 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	94.5	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
<i>Surrogate: n-Nonane</i>	115 %	61-141		02/14/25	02/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	ND	20.0	1	02/14/25	02/14/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West Tank Battery Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/19/2025 8:38:22AM
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BH01-4'

E502119-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	0.0291	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.2 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.1 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	35.9	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>	122 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	ND	20.0	1	02/14/25	02/15/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH01-4.5'

E502119-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	0.0829	0.0500	2	02/14/25	02/15/25	
Ethylbenzene	3.44	0.0500	2	02/14/25	02/15/25	
Toluene	5.50	0.0500	2	02/14/25	02/15/25	
o-Xylene	5.58	0.0500	2	02/14/25	02/15/25	
p,m-Xylene	16.1	0.100	2	02/14/25	02/15/25	
Total Xylenes	21.7	0.0500	2	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	158	40.0	2	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	2780	25.0	1	02/14/25	02/14/25	T9
Oil Range Organics (C28-C36)	829	50.0	1	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	156 %	61-141		02/14/25	02/14/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	37.5	20.0	1	02/14/25	02/15/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH02-0'

E502119-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	10.8	0.500	20	02/14/25	02/15/25	
Ethylbenzene	47.4	0.500	20	02/14/25	02/15/25	
Toluene	182	0.500	20	02/14/25	02/15/25	
o-Xylene	59.5	0.500	20	02/14/25	02/15/25	
p,m-Xylene	189	1.00	20	02/14/25	02/15/25	
Total Xylenes	249	0.500	20	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.8 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	2470	400	20	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	24800	250	10	02/14/25	02/14/25	T9
Oil Range Organics (C28-C36)	10500	500	10	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	403 %	61-141		02/14/25	02/14/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	1650	20.0	1	02/14/25	02/15/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH02-2'

E502119-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.7 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
<i>Surrogate: n-Nonane</i>						
	118 %	61-141		02/14/25	02/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	83.2	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH02-4'

E502119-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	0.0433	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.3 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	119 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	207	20.0	1	02/14/25	02/15/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH02-6'

E502119-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	0.0790	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.8 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	64.6	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	241	20.0	1	02/14/25	02/15/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH03-0'

E502119-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	17.7	0.500	20	02/14/25	02/15/25	
Ethylbenzene	60.7	0.500	20	02/14/25	02/15/25	
Toluene	242	0.500	20	02/14/25	02/15/25	
o-Xylene	72.8	0.500	20	02/14/25	02/15/25	
p,m-Xylene	227	1.00	20	02/14/25	02/15/25	
Total Xylenes	300	0.500	20	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	2650	400	20	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	34900	250	10	02/14/25	02/14/25	T9
Oil Range Organics (C28-C36)	12100	500	10	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	901 %	61-141		02/14/25	02/14/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	156	20.0	1	02/14/25	02/15/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH03-2'

E502119-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	0.214	0.0500	2	02/14/25	02/15/25	
Ethylbenzene	2.54	0.0500	2	02/14/25	02/15/25	
Toluene	4.67	0.0500	2	02/14/25	02/15/25	
o-Xylene	3.70	0.0500	2	02/14/25	02/15/25	
p,m-Xylene	10.8	0.100	2	02/14/25	02/15/25	
Total Xylenes	14.5	0.0500	2	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	136	40.0	2	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	2510	25.0	1	02/14/25	02/14/25	T9
Oil Range Organics (C28-C36)	960	50.0	1	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	145 %	61-141		02/14/25	02/14/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	70.3	20.0	1	02/14/25	02/15/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH04-0'

E502119-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	8.52	0.500	20	02/14/25	02/15/25	
Ethylbenzene	80.8	0.500	20	02/14/25	02/15/25	
Toluene	231	0.500	20	02/14/25	02/15/25	
o-Xylene	107	0.500	20	02/14/25	02/15/25	
p,m-Xylene	334	1.00	20	02/14/25	02/15/25	
Total Xylenes	441	0.500	20	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	3540	400	20	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	38100	250	10	02/14/25	02/14/25	T9
Oil Range Organics (C28-C36)	13900	500	10	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	792 %	61-141		02/14/25	02/14/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	612	20.0	1	02/14/25	02/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West Tank Battery Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/19/2025 8:38:22AM
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BH04-2'

E502119-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	0.0275	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.5 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2507119	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
<i>Surrogate: n-Nonane</i>	118 %	61-141		02/14/25	02/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2507125	
Chloride	286	20.0	1	02/14/25	02/15/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH04-4'

E502119-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507108
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	0.0678	0.0250	1	02/14/25	02/15/25	
o-Xylene	0.0339	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	0.0750	0.0500	1	02/14/25	02/15/25	
Total Xylenes	0.109	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507108
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2507119
Diesel Range Organics (C10-C28)	182	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	84.6	50.0	1	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	120 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507125
Chloride	351	20.0	1	02/14/25	02/15/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/19/2025 8:38:22AM

BH04-5'

E502119-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507108
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	0.0399	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.0 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507108
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2507119
Diesel Range Organics (C10-C28)	29.1	25.0	1	02/14/25	02/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/15/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		02/14/25	02/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507125
Chloride	505	20.0	1	02/14/25	02/15/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 8:38:22AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507108-BLK1) Prepared: 02/14/25 Analyzed: 02/15/25

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	6.46		8.00		80.8	70-130			

LCS (2507108-BS1) Prepared: 02/14/25 Analyzed: 02/15/25

Benzene	4.93	0.0250	5.00		98.5	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.2	70-130			
Toluene	4.85	0.0250	5.00		97.1	70-130			
o-Xylene	4.70	0.0250	5.00		93.9	70-130			
p,m-Xylene	9.54	0.0500	10.0		95.4	70-130			
Total Xylenes	14.2	0.0250	15.0		94.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.47		8.00		80.9	70-130			

LCS Dup (2507108-BSD1) Prepared: 02/14/25 Analyzed: 02/15/25

Benzene	4.99	0.0250	5.00		99.7	70-130	1.21	20	
Ethylbenzene	4.79	0.0250	5.00		95.9	70-130	1.82	20	
Toluene	4.93	0.0250	5.00		98.6	70-130	1.52	20	
o-Xylene	4.77	0.0250	5.00		95.5	70-130	1.61	20	
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130	1.94	20	
Total Xylenes	14.5	0.0250	15.0		96.7	70-130	1.83	20	
Surrogate: 4-Bromochlorobenzene-PID	6.49		8.00		81.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 8:38:22AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507108-BLK1) Prepared: 02/14/25 Analyzed: 02/15/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

LCS (2507108-BS2) Prepared: 02/14/25 Analyzed: 02/15/25

Gasoline Range Organics (C6-C10)	38.9	20.0	50.0		77.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

LCS Dup (2507108-BSD2) Prepared: 02/14/25 Analyzed: 02/15/25

Gasoline Range Organics (C6-C10)	39.5	20.0	50.0		79.0	70-130	1.58	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/19/2025 8:38:22AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2507119-BLK1)					Prepared: 02/14/25 Analyzed: 02/14/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.7		50.0		115	61-141			

LCS (2507119-BS1)					Prepared: 02/14/25 Analyzed: 02/14/25				
Diesel Range Organics (C10-C28)	295	25.0	250		118	66-144			
Surrogate: n-Nonane	58.4		50.0		117	61-141			

LCS Dup (2507119-BSD1)					Prepared: 02/14/25 Analyzed: 02/14/25				
Diesel Range Organics (C10-C28)	286	25.0	250		114	66-144	2.98	20	
Surrogate: n-Nonane	58.3		50.0		117	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West Tank Battery Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/19/2025 8:38:22AM
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Anions by EPA 300.0/9056A

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 (2507125-BLK1)					Prepared: 02/14/25 Analyzed: 02/14/25				
Chloride	ND	20.0							
LCS (2507125-BS1)					Prepared: 02/14/25 Analyzed: 02/14/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2507125-MS1)					Source: E502119-09		Prepared: 02/14/25 Analyzed: 02/14/25		
Chloride	340	20.0	250	83.2	103	80-120			
Matrix Spike Dup (2507125-MSD1)					Source: E502119-09		Prepared: 02/14/25 Analyzed: 02/14/25		
Chloride	340	20.0	250	83.2	103	80-120	0.0544	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:	Leslie West Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/19/25 08:38

- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- T9 DRO includes undifferentiated early eluting analytes characteristic of GRO.
- 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

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project: <u>Leslie West Tank Battery</u>				Address: 3122 National Parks Hwy		<u>E502119</u>	<u>23003-0002</u>				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BEDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
1207	2/12/25	S	1	SS02-0'		1						X						
1203				SS03-0'		2												
1125				SS04-0'		3												
1115				BH01-0'		4												
1226				BH01-2'		5												
1232				BH01-4'		6												
1304				BH01 4.5'		7												
1114				BH02-0'		8												
1254				BH02-2'		9												
1256				BH02-4'		10												
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>Chad Hamilton, Oluwale Aderinto</u>																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>										
<u>[Signature]</u>		<u>2/13/25</u>	<u>1120</u>	<u>Michelle Gonzales</u>		<u>2.13.25</u>	<u>1120</u>											
<u>Michelle Gonzales</u>		<u>2.13.25</u>	<u>1730</u>	<u>L.H.</u>		<u>2.13.25</u>	<u>1730</u>											
<u>L.H.</u>		<u>2.13.25</u>	<u>2400</u>	<u>Caitlin Mann</u>		<u>2.14.25</u>	<u>800</u>											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



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Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State											
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# 502119		Job Number 2303002				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>				1D	2D	3D	Std				X
1D	2D	3D	Std																				
			X																				
Project:				Address: 3122 National Parks Hwy								<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																				
X																							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																			
Address: 3122 National Parks Hwy				Phone: 575-988-0055																			
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																			
Phone: 575-988-0055				Miscellaneous:																			
Email: agiovengo@ensolum.com																							
Sample Information						Analysis and Method								EPA Program									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA						
1309	2/12/25	S	1	BH02-6'		11						X											
1111				BH03-0'		12																	
1152				BH03-2'		13																	
1108				BH04-0'		14																	
1120				BH04-2'		15																	
1156				BH04-4'		16																	
1200				BH04-5'		17																	
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Chad Hamilton, Diawale Adekunle																							
Relinquished by: (Signature)		Date 2/13/25		Time 1120		Received by: (Signature)		Date 2-13-25		Time 1120		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) N T1 _____ T2 _____ T3 _____ AVG Temp °C 4											
Relinquished by: (Signature)		Date 2-13-25		Time 1730		Received by: (Signature)		Date 2-13-25		Time 1730													
Relinquished by: (Signature)		Date 2-13-25		Time 2400		Received by: (Signature)		Date 2-14-25		Time 800													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							



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Envirotech Analytical Laboratory

Printed: 2/14/2025 11:21:37AM

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:	02/14/25 08:00	Work Order ID:	E502119
Phone:	(972) 371-5200	Date Logged In:	02/13/25 15:59	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/20/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? No
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Leslie West Tank Battery

Work Order: E502280

Job Number: 23003-0002

Received: 2/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/6/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 3/6/25



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

Project Name: Leslie West Tank Battery
Workorder: E502280
Date Received: 2/28/2025 4:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/28/2025 4:30:00AM, under the Project Name: Leslie West Tank Battery.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
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Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH01-6'	5
BH03-3'	6
QC Summary Data	7
QC - Volatile Organic Compounds by EPA8260B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West Tank Battery Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/06/25 13:26
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-6'	E502280-01A	Soil	02/26/25	02/28/25	Glass Jar, 2 oz.
BH03-3'	E502280-02A	Soil	02/26/25	02/28/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/6/2025 1:26:09PM

BH01-6'

E502280-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509119
Benzene	ND	0.0250	1	02/28/25	03/05/25	
Ethylbenzene	ND	0.0250	1	02/28/25	03/05/25	
Toluene	ND	0.0250	1	02/28/25	03/05/25	
o-Xylene	ND	0.0250	1	02/28/25	03/05/25	
p,m-Xylene	ND	0.0500	1	02/28/25	03/05/25	
Total Xylenes	ND	0.0250	1	02/28/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	02/28/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	02/28/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		96.4 %	70-130	02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509119
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	02/28/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	02/28/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		96.4 %	70-130	02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2509115
Diesel Range Organics (C10-C28)	ND	25.0	1	02/28/25	03/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/28/25	03/01/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	02/28/25	03/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509110
Chloride	ND	20.0	1	02/28/25	02/28/25	



Sample Data

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

Project Name: Leslie West Tank Battery
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/6/2025 1:26:09PM

BH03-3'

E502280-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509119
Benzene	ND	0.0250	1	02/28/25	03/05/25	
Ethylbenzene	ND	0.0250	1	02/28/25	03/05/25	
Toluene	ND	0.0250	1	02/28/25	03/05/25	
o-Xylene	ND	0.0250	1	02/28/25	03/05/25	
p,m-Xylene	ND	0.0500	1	02/28/25	03/05/25	
Total Xylenes	ND	0.0250	1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8	96.8 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509119
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8	96.8 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2509115
Diesel Range Organics (C10-C28)	ND	25.0	1	02/28/25	03/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/28/25	03/01/25	
Surrogate: n-Nonane	106 %	61-141		02/28/25	03/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509110
Chloride	47.4	20.0	1	02/28/25	02/28/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/6/2025 1:26:09PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2509119-BLK1) Prepared: 02/28/25 Analyzed: 03/05/25

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: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			

LCS (2509119-BS1) Prepared: 02/28/25 Analyzed: 03/05/25

Benzene	2.25	0.0250	2.50		90.1	70-130			
Ethylbenzene	2.15	0.0250	2.50		85.9	70-130			
Toluene	2.09	0.0250	2.50		83.8	70-130			
o-Xylene	2.04	0.0250	2.50		81.6	70-130			
p,m-Xylene	4.08	0.0500	5.00		81.6	70-130			
Total Xylenes	6.12	0.0250	7.50		81.6	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.474		0.500		94.8	70-130			

Matrix Spike (2509119-MS1) Source: E502281-04 Prepared: 02/28/25 Analyzed: 03/05/25

Benzene	2.35	0.0250	2.50	ND	94.1	48-131			
Ethylbenzene	2.31	0.0250	2.50	ND	92.4	45-135			
Toluene	2.26	0.0250	2.50	ND	90.2	48-130			
o-Xylene	2.27	0.0250	2.50	ND	90.8	43-135			
p,m-Xylene	4.55	0.0500	5.00	ND	91.0	43-135			
Total Xylenes	6.82	0.0250	7.50	ND	91.0	43-135			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			

Matrix Spike Dup (2509119-MSD1) Source: E502281-04 Prepared: 02/28/25 Analyzed: 03/05/25

Benzene	2.44	0.0250	2.50	ND	97.5	48-131	3.49	23	
Ethylbenzene	2.38	0.0250	2.50	ND	95.0	45-135	2.80	27	
Toluene	2.32	0.0250	2.50	ND	92.9	48-130	2.93	24	
o-Xylene	2.30	0.0250	2.50	ND	91.9	43-135	1.14	27	
p,m-Xylene	4.60	0.0500	5.00	ND	92.0	43-135	1.01	27	
Total Xylenes	6.90	0.0250	7.50	ND	91.9	43-135	1.05	27	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/6/2025 1:26:09PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2509119-BLK1)

Prepared: 02/28/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			

LCS (2509119-BS2)

Prepared: 02/28/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

Matrix Spike (2509119-MS2)

Source: E502281-04

Prepared: 02/28/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.4	70-130			

Matrix Spike Dup (2509119-MSD2)

Source: E502281-04

Prepared: 02/28/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.2	70-130	0.621	20	
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West Tank Battery	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/6/2025 1:26:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2509115-BLK1)

Prepared: 02/28/25 Analyzed: 02/28/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.3		50.0		98.6	61-141			

LCS (2509115-BS1)

Prepared: 02/28/25 Analyzed: 02/28/25

Diesel Range Organics (C10-C28)	233	25.0	250		93.2	66-144			
Surrogate: <i>n</i> -Nonane	49.4		50.0		98.9	61-141			

Matrix Spike (2509115-MS1)

Source: E502284-05

Prepared: 02/28/25 Analyzed: 02/28/25

Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156			
Surrogate: <i>n</i> -Nonane	53.0		50.0		106	61-141			

Matrix Spike Dup (2509115-MSD1)

Source: E502284-05

Prepared: 02/28/25 Analyzed: 02/28/25

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	56-156	3.41	20	
Surrogate: <i>n</i> -Nonane	53.2		50.0		106	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West Tank Battery Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/6/2025 1:26:09PM
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Anions by EPA 300.0/9056A

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
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Blank (2509110-BLK1)					Prepared: 02/28/25 Analyzed: 02/28/25				
Chloride	ND	20.0							
LCS (2509110-BS1)					Prepared: 02/28/25 Analyzed: 02/28/25				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2509110-MS1)					Source: E502279-02		Prepared: 02/28/25 Analyzed: 02/28/25		
Chloride	655	20.0	250	407	99.1	80-120			
Matrix Spike Dup (2509110-MSD1)					Source: E502279-02		Prepared: 02/28/25 Analyzed: 02/28/25		
Chloride	667	20.0	250	407	104	80-120	1.80	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:	Leslie West Tank Battery	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/06/25 13:26

- 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 12 of 13

envirotech

Envirotech Analytical Laboratory

Printed: 2/28/2025 10:12:07AM

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:	02/28/25 04:30	Work Order ID:	E502280
Phone:	(972) 371-5200	Date Logged In:	02/27/25 15:56	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

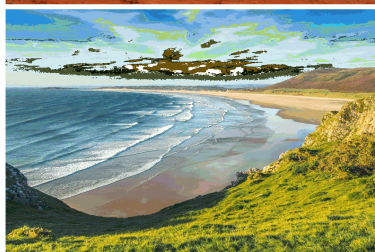
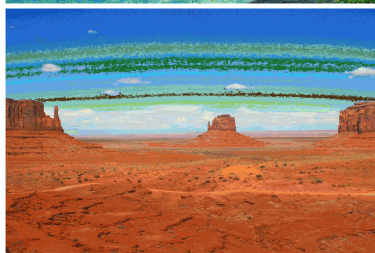
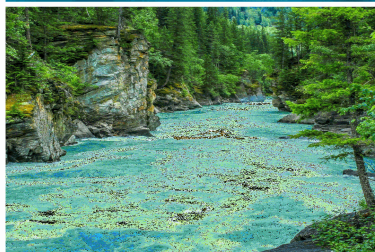
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Leslie West TB

Work Order: E504120

Job Number: 23003-0002

Received: 4/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/22/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/22/25

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



Project Name: Leslie West TB
Workorder: E504120
Date Received: 4/16/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/16/2025 8:00:00AM, under the Project Name: Leslie West TB.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01a-0'	5
SS02a-0'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/22/25 12:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01a-0'	E504120-01A	Soil	04/14/25	04/16/25	Glass Jar, 2 oz.
SS02a-0'	E504120-02A	Soil	04/14/25	04/16/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/22/2025 12:06:06PM

SS01a-0'

E504120-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2516052	
Benzene	ND	0.0250	1	04/16/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/16/25	04/18/25	
Toluene	ND	0.0250	1	04/16/25	04/18/25	
o-Xylene	ND	0.0250	1	04/16/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/16/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/16/25	04/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/16/25	04/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2516052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/16/25	04/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	04/16/25	04/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2516057	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/16/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/16/25	04/17/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	04/16/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2516054	
Chloride	268	20.0	1	04/16/25	04/16/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/22/2025 12:06:06PM

SS02a-0'

E504120-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2516052	
Benzene	ND	0.0250	1	04/16/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/16/25	04/18/25	
Toluene	ND	0.0250	1	04/16/25	04/18/25	
o-Xylene	ND	0.0250	1	04/16/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/16/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/16/25	04/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	04/16/25	04/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2516052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/16/25	04/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %	70-130	04/16/25	04/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2516057	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/16/25	04/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/16/25	04/17/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	04/16/25	04/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2516054	
Chloride	31.0	20.0	1	04/16/25	04/16/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/22/2025 12:06:06PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516052-BLK1) Prepared: 04/16/25 Analyzed: 04/17/25

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	7.98		8.00		99.8	70-130			

LCS (2516052-BS1) Prepared: 04/16/25 Analyzed: 04/18/25

Benzene	5.23	0.0250	5.00		105	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.7	70-130			

Matrix Spike (2516052-MS1) Source: E504123-04 Prepared: 04/16/25 Analyzed: 04/18/25

Benzene	5.64	0.0250	5.00	ND	113	70-130			
Ethylbenzene	5.46	0.0250	5.00	ND	109	70-130			
Toluene	5.57	0.0250	5.00	ND	111	70-130			
o-Xylene	5.41	0.0250	5.00	ND	108	70-130			
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

Matrix Spike Dup (2516052-MSD1) Source: E504123-04 Prepared: 04/16/25 Analyzed: 04/18/25

Benzene	5.81	0.0250	5.00	ND	116	70-130	2.96	27	
Ethylbenzene	5.63	0.0250	5.00	ND	113	70-130	3.07	26	
Toluene	5.74	0.0250	5.00	ND	115	70-130	3.02	20	
o-Xylene	5.59	0.0250	5.00	ND	112	70-130	3.24	25	
p,m-Xylene	11.3	0.0500	10.0	ND	113	70-130	3.19	23	
Total Xylenes	16.9	0.0250	15.0	ND	113	70-130	3.21	26	
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/22/2025 12:06:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516052-BLK1) Prepared: 04/16/25 Analyzed: 04/17/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			

LCS (2516052-BS2) Prepared: 04/16/25 Analyzed: 04/18/25

Gasoline Range Organics (C6-C10)	35.0	20.0	50.0		70.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

Matrix Spike (2516052-MS2) Source: E504123-04 Prepared: 04/16/25 Analyzed: 04/18/25

Gasoline Range Organics (C6-C10)	35.5	20.0	50.0	ND	71.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

Matrix Spike Dup (2516052-MSD2) Source: E504123-04 Prepared: 04/16/25 Analyzed: 04/18/25

Gasoline Range Organics (C6-C10)	35.6	20.0	50.0	ND	71.2	70-130	0.342	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/22/2025 12:06:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516057-BLK1)					Prepared: 04/16/25 Analyzed: 04/16/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.2		50.0		104	61-141			

LCS (2516057-BS1)					Prepared: 04/16/25 Analyzed: 04/16/25				
Diesel Range Organics (C10-C28)	280	25.0	250		112	66-144			
Surrogate: n-Nonane	52.5		50.0		105	61-141			

Matrix Spike (2516057-MS1)					Source: E504120-01		Prepared: 04/16/25 Analyzed: 04/16/25		
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	56-156			
Surrogate: n-Nonane	54.2		50.0		108	61-141			

Matrix Spike Dup (2516057-MSD1)					Source: E504120-01		Prepared: 04/16/25 Analyzed: 04/16/25		
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	56-156	1.85	20	
Surrogate: n-Nonane	54.1		50.0		108	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/22/2025 12:06:06PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516054-BLK1)					Prepared: 04/16/25 Analyzed: 04/16/25				
Chloride	ND	20.0							
LCS (2516054-BS1)					Prepared: 04/16/25 Analyzed: 04/16/25				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2516054-MS1)					Source: E504116-03		Prepared: 04/16/25 Analyzed: 04/16/25		
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2516054-MSD1)					Source: E504116-03		Prepared: 04/16/25 Analyzed: 04/16/25		
Chloride	256	20.0	250	ND	102	80-120	0.230	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:	Leslie West TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/22/25 12:06

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

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

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



Chain of Custody

[illegible]

envirotech

Envirotech Analytical Laboratory

Printed: 4/16/2025 8:45:36AM

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:	04/16/25 08:00	Work Order ID:	E504120
Phone:	(972) 371-5200	Date Logged In:	04/15/25 12:18	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	04/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Leslie West TB

Work Order: E504238

Job Number: 23003-0002

Received: 4/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/30/25

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: 4/30/25

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



Project Name: Leslie West TB
Workorder: E504238
Date Received: 4/24/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/24/2025 7:15:00AM, under the Project Name: Leslie West TB.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH05-0'	5
BH05-2'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/30/25 08:16
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05-0'	E504238-01A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.
BH05-2'	E504238-02A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/30/2025 8:16:44AM

BH05-0'

E504238-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2517075	
Benzene	ND	0.0500	2	04/24/25	04/24/25	
Ethylbenzene	ND	0.0500	2	04/24/25	04/24/25	
Toluene	ND	0.0500	2	04/24/25	04/24/25	
o-Xylene	ND	0.0500	2	04/24/25	04/24/25	
p,m-Xylene	ND	0.100	2	04/24/25	04/24/25	
Total Xylenes	ND	0.0500	2	04/24/25	04/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	04/24/25	04/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2517075	
Gasoline Range Organics (C6-C10)	ND	40.0	2	04/24/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	04/24/25	04/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2517077	
Diesel Range Organics (C10-C28)	2550	25.0	1	04/24/25	04/26/25	
Oil Range Organics (C28-C36)	988	50.0	1	04/24/25	04/26/25	
<i>Surrogate: n-Nonane</i>		98.0 %	61-141	04/24/25	04/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	196	20.0	1	04/24/25	04/24/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/30/2025 8:16:44AM

BH05-2'

E504238-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2517075	
Benzene	ND	0.0250	1	04/24/25	04/24/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/24/25	
Toluene	ND	0.0250	1	04/24/25	04/24/25	
o-Xylene	ND	0.0250	1	04/24/25	04/24/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/24/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		112 %	70-130	04/24/25	04/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2517075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	04/24/25	04/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2517077	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/26/25	
<i>Surrogate: n-Nonane</i>						
		99.5 %	61-141	04/24/25	04/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517084	
Chloride	ND	20.0	1	04/24/25	04/24/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:16:44AM

Volatile Organics by EPA 8021B

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
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Blank (2517075-BLK1) Prepared: 04/24/25 Analyzed: 04/24/25

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	7.73		8.00		96.7	70-130			

LCS (2517075-BS1) Prepared: 04/24/25 Analyzed: 04/24/25

Benzene	4.66	0.0250	5.00		93.2	70-130			
Ethylbenzene	4.62	0.0250	5.00		92.5	70-130			
Toluene	4.66	0.0250	5.00		93.2	70-130			
o-Xylene	4.63	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.25	0.0500	10.0		92.5	70-130			
Total Xylenes	13.9	0.0250	15.0		92.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

Matrix Spike (2517075-MS1) Source: E504237-02 Prepared: 04/24/25 Analyzed: 04/24/25

Benzene	4.56	0.0250	5.00	ND	91.1	70-130			
Ethylbenzene	4.52	0.0250	5.00	ND	90.3	70-130			
Toluene	4.55	0.0250	5.00	ND	91.1	70-130			
o-Xylene	4.50	0.0250	5.00	ND	90.0	70-130			
p,m-Xylene	9.02	0.0500	10.0	ND	90.2	70-130			
Total Xylenes	13.5	0.0250	15.0	ND	90.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

Matrix Spike Dup (2517075-MSD1) Source: E504237-02 Prepared: 04/24/25 Analyzed: 04/24/25

Benzene	4.39	0.0250	5.00	ND	87.8	70-130	3.74	27	
Ethylbenzene	4.38	0.0250	5.00	ND	87.5	70-130	3.14	26	
Toluene	4.40	0.0250	5.00	ND	87.9	70-130	3.51	20	
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130	3.15	25	
p,m-Xylene	8.75	0.0500	10.0	ND	87.5	70-130	3.09	23	
Total Xylenes	13.1	0.0250	15.0	ND	87.4	70-130	3.11	26	
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:16:44AM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2517075-BLK1) Prepared: 04/24/25 Analyzed: 04/24/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			

LCS (2517075-BS2) Prepared: 04/24/25 Analyzed: 04/24/25

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

Matrix Spike (2517075-MS2) Source: E504237-02 Prepared: 04/24/25 Analyzed: 04/24/25

Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

Matrix Spike Dup (2517075-MSD2) Source: E504237-02 Prepared: 04/24/25 Analyzed: 04/24/25

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130	2.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 8:16:44AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517077-BLK1)					Prepared: 04/24/25 Analyzed: 04/25/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.8		50.0		120	61-141			

LCS (2517077-BS1)					Prepared: 04/24/25 Analyzed: 04/25/25				
Diesel Range Organics (C10-C28)	237	25.0	250		94.6	66-144			
Surrogate: n-Nonane	46.2		50.0		92.5	61-141			

Matrix Spike (2517077-MS1)					Source: E504235-04		Prepared: 04/24/25 Analyzed: 04/25/25		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.3	56-156			
Surrogate: n-Nonane	47.6		50.0		95.1	61-141			

Matrix Spike Dup (2517077-MSD1)					Source: E504235-04		Prepared: 04/24/25 Analyzed: 04/25/25		
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156	3.80	20	
Surrogate: n-Nonane	49.7		50.0		99.4	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/30/2025 8:16:44AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517084-BLK1)					Prepared: 04/24/25 Analyzed: 04/24/25				
Chloride	ND	20.0							
LCS (2517084-BS1)					Prepared: 04/24/25 Analyzed: 04/24/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2517084-MS1)					Source: E504244-03		Prepared: 04/24/25 Analyzed: 04/24/25		
Chloride	3260	40.0	250	3230	14.6	80-120			M4
Matrix Spike Dup (2517084-MSD1)					Source: E504244-03		Prepared: 04/24/25 Analyzed: 04/24/25		
Chloride	3320	40.0	250	3230	36.7	80-120	1.68	20	M4

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:	Leslie West TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/30/25 08:16

- 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.



Chain of Custody

[illegible]

envirotech

Envirotech Analytical Laboratory

Printed: 4/24/2025 8:04:03AM

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:	04/24/25 07:15	Work Order ID:	E504238
Phone:	(972) 371-5200	Date Logged In:	04/23/25 14:48	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	04/30/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Individual sample temperatures listed on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature:

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Leslie West TB

Work Order: E504133

Job Number: 23003-0002

Received: 4/17/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/23/25

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: 4/23/25



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

Project Name: Leslie West TB
Workorder: E504133
Date Received: 4/17/2025 8:15:38AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/17/2025 8:15:38AM, under the Project Name: Leslie West TB.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS01-0.5'	5
FS02-0.5'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/23/25 09:07
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0.5'	E504133-01A	Soil	04/15/25	04/17/25	Glass Jar, 2 oz.
FS02-0.5'	E504133-02A	Soil	04/15/25	04/17/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/23/2025 9:07:22AM

FS01-0.5'

E504133-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2516065	
Benzene	ND	0.0250	1	04/17/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/17/25	04/18/25	
Toluene	ND	0.0250	1	04/17/25	04/18/25	
o-Xylene	ND	0.0250	1	04/17/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/17/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/17/25	04/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	04/17/25	04/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2516065	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/25	04/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.6 %	70-130	04/17/25	04/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2516074	
Diesel Range Organics (C10-C28)	231	25.0	1	04/17/25	04/18/25	
Oil Range Organics (C28-C36)	74.1	50.0	1	04/17/25	04/18/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	04/17/25	04/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2516076	
Chloride	40.9	20.0	1	04/17/25	04/17/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/23/2025 9:07:22AM

FS02-0.5'

E504133-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2516065	
Benzene	ND	0.0250	1	04/17/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/17/25	04/18/25	
Toluene	ND	0.0250	1	04/17/25	04/18/25	
o-Xylene	ND	0.0250	1	04/17/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/17/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/17/25	04/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/17/25	04/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2516065	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/25	04/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.7 %	70-130	04/17/25	04/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2516074	
Diesel Range Organics (C10-C28)	47.0	25.0	1	04/17/25	04/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/17/25	04/18/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	04/17/25	04/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2516076	
Chloride	248	20.0	1	04/17/25	04/17/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 9:07:22AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516065-BLK1) Prepared: 04/17/25 Analyzed: 04/17/25

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	8.30		8.00		104	70-130			

LCS (2516065-BS1) Prepared: 04/17/25 Analyzed: 04/18/25

Benzene	4.68	0.0250	5.00		93.6	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.5	70-130			
Toluene	4.66	0.0250	5.00		93.2	70-130			
o-Xylene	4.63	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.00	0.0500	10.0		90.0	70-130			
Total Xylenes	13.6	0.0250	15.0		90.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			

Matrix Spike (2516065-MS1) Source: E504134-03 Prepared: 04/17/25 Analyzed: 04/18/25

Benzene	5.08	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.03	0.0250	5.00	ND	101	70-130			
Toluene	5.05	0.0250	5.00	ND	101	70-130			
o-Xylene	5.02	0.0250	5.00	ND	100	70-130			
p,m-Xylene	9.76	0.0500	10.0	ND	97.6	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

Matrix Spike Dup (2516065-MSD1) Source: E504134-03 Prepared: 04/17/25 Analyzed: 04/18/25

Benzene	5.15	0.0250	5.00	ND	103	70-130	1.46	27	
Ethylbenzene	5.12	0.0250	5.00	ND	102	70-130	1.83	26	
Toluene	5.14	0.0250	5.00	ND	103	70-130	1.75	20	
o-Xylene	5.12	0.0250	5.00	ND	102	70-130	1.93	25	
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	70-130	1.93	23	
Total Xylenes	15.1	0.0250	15.0	ND	100	70-130	1.93	26	
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 9:07:22AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516065-BLK1) Prepared: 04/17/25 Analyzed: 04/17/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			

LCS (2516065-BS2) Prepared: 04/17/25 Analyzed: 04/18/25

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.7	70-130			

Matrix Spike (2516065-MS2) Source: E504134-03 Prepared: 04/17/25 Analyzed: 04/18/25

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			

Matrix Spike Dup (2516065-MSD2) Source: E504134-03 Prepared: 04/17/25 Analyzed: 04/18/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130	0.377	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 9:07:22AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516074-BLK1)					Prepared: 04/17/25 Analyzed: 04/18/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	61-141			

LCS (2516074-BS1)					Prepared: 04/17/25 Analyzed: 04/18/25				
Diesel Range Organics (C10-C28)	304	25.0	250		121	66-144			
Surrogate: n-Nonane	55.9		50.0		112	61-141			

Matrix Spike (2516074-MS1)					Source: E504136-01		Prepared: 04/17/25 Analyzed: 04/18/25		
Diesel Range Organics (C10-C28)	370	25.0	250	104	107	56-156			
Surrogate: n-Nonane	55.7		50.0		111	61-141			

Matrix Spike Dup (2516074-MSD1)					Source: E504136-01		Prepared: 04/17/25 Analyzed: 04/18/25		
Diesel Range Organics (C10-C28)	355	25.0	250	104	100	56-156	4.26	20	
Surrogate: n-Nonane	54.3		50.0		109	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/23/2025 9:07:22AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516076-BLK1)					Prepared: 04/17/25 Analyzed: 04/17/25				
Chloride	ND	20.0							
LCS (2516076-BS1)					Prepared: 04/17/25 Analyzed: 04/17/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2516076-MS1)					Source: E504134-03		Prepared: 04/17/25 Analyzed: 04/17/25		
Chloride	917	200	250	747	68.1	80-120			M2
Matrix Spike Dup (2516076-MSD1)					Source: E504134-03		Prepared: 04/17/25 Analyzed: 04/17/25		
Chloride	982	200	250	747	93.8	80-120	6.76	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:	Leslie West TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 09:07

- M2 Matrix spike recovery was outside quality control limits. 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.



Chain of Custody

[illegible]

envirotech

Envirotech Analytical Laboratory

Printed: 4/17/2025 10:41:19AM

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:	04/17/25 08:15	Work Order ID:	E504133
Phone:	(972) 371-5200	Date Logged In:	04/16/25 15:11	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	04/23/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

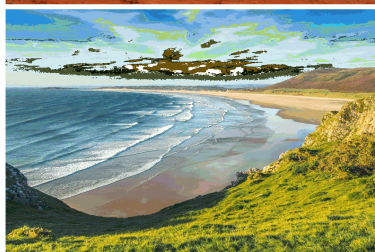
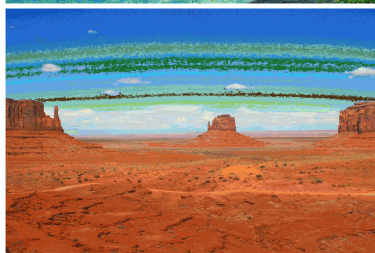
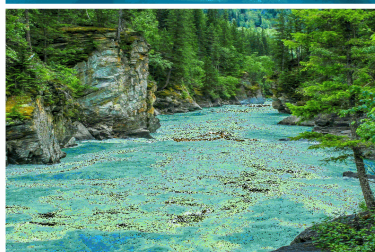
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Leslie West TB

Work Order: E504154

Job Number: 23003-0002

Received: 4/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/23/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/23/25



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

Project Name: Leslie West TB
Workorder: E504154
Date Received: 4/18/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2025 8:15:00AM, under the Project Name: Leslie West TB.

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

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

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

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

Respectfully,

Walter Hinchman
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS03-1'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
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

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 16:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03-1'	E504154-01A	Soil	04/16/25	04/18/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/23/2025 4:35:37PM

FS03-1'

E504154-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2516090	
Benzene	ND	0.0250	1	04/18/25	04/18/25	
Ethylbenzene	ND	0.0250	1	04/18/25	04/18/25	
Toluene	ND	0.0250	1	04/18/25	04/18/25	
o-Xylene	ND	0.0250	1	04/18/25	04/18/25	
p,m-Xylene	ND	0.0500	1	04/18/25	04/18/25	
Total Xylenes	ND	0.0250	1	04/18/25	04/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	04/18/25	04/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2516090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/18/25	04/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.9 %	70-130	04/18/25	04/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2517009	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/21/25	
<i>Surrogate: n-Nonane</i>		99.3 %	61-141	04/21/25	04/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2516097	
Chloride	47.7	20.0	1	04/18/25	04/18/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:35:37PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516090-BLK1)

Prepared: 04/18/25 Analyzed: 04/18/25

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	7.85		8.00		98.1	70-130			

LCS (2516090-BS1)

Prepared: 04/18/25 Analyzed: 04/18/25

Benzene	4.64	0.0250	5.00		92.9	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.1	70-130			
Toluene	4.64	0.0250	5.00		92.9	70-130			
o-Xylene	4.62	0.0250	5.00		92.4	70-130			
p,m-Xylene	9.07	0.0500	10.0		90.7	70-130			
Total Xylenes	13.7	0.0250	15.0		91.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			

Matrix Spike (2516090-MS1)

Source: E504144-05

Prepared: 04/18/25 Analyzed: 04/18/25

Benzene	4.68	0.0250	5.00	ND	93.6	70-130			
Ethylbenzene	4.67	0.0250	5.00	ND	93.5	70-130			
Toluene	4.67	0.0250	5.00	ND	93.5	70-130			
o-Xylene	4.65	0.0250	5.00	ND	92.9	70-130			
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.47		8.00		106	70-130			

Matrix Spike Dup (2516090-MSD1)

Source: E504144-05

Prepared: 04/18/25 Analyzed: 04/18/25

Benzene	4.87	0.0250	5.00	ND	97.5	70-130	4.02	27	
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130	4.29	26	
Toluene	4.88	0.0250	5.00	ND	97.6	70-130	4.38	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130	4.32	25	
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	70-130	4.01	23	
Total Xylenes	14.3	0.0250	15.0	ND	95.6	70-130	4.12	26	
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:35:37PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516090-BLK1) Prepared: 04/18/25 Analyzed: 04/18/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		8.00		87.4	70-130			

LCS (2516090-BS2) Prepared: 04/18/25 Analyzed: 04/18/25

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.0	70-130			

Matrix Spike (2516090-MS2) Source: E504144-05 Prepared: 04/18/25 Analyzed: 04/18/25

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

Matrix Spike Dup (2516090-MSD2) Source: E504144-05 Prepared: 04/18/25 Analyzed: 04/18/25

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.3	70-130	1.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/23/2025 4:35:37PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517009-BLK1)					Prepared: 04/21/25 Analyzed: 04/21/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	61-141			

LCS (2517009-BS1)					Prepared: 04/21/25 Analyzed: 04/21/25				
Diesel Range Organics (C10-C28)	256	25.0	250		103	66-144			
Surrogate: n-Nonane	48.5		50.0		97.1	61-141			

Matrix Spike (2517009-MS1)					Source: E504158-01		Prepared: 04/21/25 Analyzed: 04/21/25		
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156			
Surrogate: n-Nonane	50.4		50.0		101	61-141			

Matrix Spike Dup (2517009-MSD1)					Source: E504158-01		Prepared: 04/21/25 Analyzed: 04/21/25		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	0.578	20	
Surrogate: n-Nonane	49.1		50.0		98.1	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/23/2025 4:35:37PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2516097-BLK1)					Prepared: 04/18/25 Analyzed: 04/18/25				
Chloride	ND	20.0							
LCS (2516097-BS1)					Prepared: 04/18/25 Analyzed: 04/18/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2516097-MS1)					Source: E504152-02		Prepared: 04/18/25 Analyzed: 04/18/25		
Chloride	712	20.0	250	449	106	80-120			
Matrix Spike Dup (2516097-MSD1)					Source: E504152-02		Prepared: 04/18/25 Analyzed: 04/18/25		
Chloride	716	20.0	250	449	107	80-120	0.459	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:	Leslie West TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/23/25 16:35

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 1 of 1**envirotech**

Envirotech Analytical Laboratory

Printed: 4/18/2025 11:41:38AM

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:	04/18/25 08:15	Work Order ID:	E504154
Phone:	(972) 371-5200	Date Logged In:	04/17/25 16:08	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	04/24/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 3.8°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Leslie West TB

Work Order: E504162

Job Number: 23003-0002

Received: 4/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/24/25

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: 4/24/25



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

Project Name: Leslie West TB
Workorder: E504162
Date Received: 4/21/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/21/2025 7:30:00AM, under the Project Name: Leslie West TB.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS04-1'	5
FS05-1'	6
FS06-1'	7
FS07-1'	8
FS08-1'	9
FS09-1'	10
FS10-2'	11
FS11-2'	12
FS12-1'	13
QC Summary Data	14
QC - Volatile Organics by EPA 8021B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/24/25 13:04
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS04-1'	E504162-01A	Soil	04/17/25	04/21/25	Glass Jar, 4 oz.
FS05-1'	E504162-02A	Soil	04/17/25	04/21/25	Glass Jar, 4 oz.
FS06-1'	E504162-03A	Soil	04/17/25	04/21/25	Glass Jar, 4 oz.
FS07-1'	E504162-04A	Soil	04/17/25	04/21/25	Glass Jar, 4 oz.
FS08-1'	E504162-05A	Soil	04/17/25	04/21/25	Glass Jar, 4 oz.
FS09-1'	E504162-06A	Soil	04/17/25	04/21/25	Glass Jar, 4 oz.
FS10-2'	E504162-07A	Solid	04/17/25	04/21/25	Glass Jar, 4 oz.
FS11-2'	E504162-08A	Solid	04/17/25	04/21/25	Glass Jar, 4 oz.
FS12-1'	E504162-09A	Soil	04/17/25	04/21/25	Glass Jar, 4 oz.



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/24/2025 1:04:09PM

FS04-1'

E504162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.7 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.1 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2517011	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/21/25	
<i>Surrogate: n-Nonane</i>	96.0 %	61-141		04/21/25	04/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2517015	
Chloride	4.46	2.00	0.1	04/21/25	04/21/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/24/2025 1:04:09PM

FS05-1'

E504162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2517006
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.2 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2517006
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2517011
Diesel Range Organics (C10-C28)	97.8	25.0	1	04/21/25	04/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/21/25	
<i>Surrogate: n-Nonane</i>						
	94.4 %	61-141		04/21/25	04/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2517015
Chloride	47.8	2.00	0.1	04/21/25	04/21/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/24/2025 1:04:09PM

FS06-1'

E504162-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2517006
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2517006
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2517011
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/21/25	
<i>Surrogate: n-Nonane</i>						
	95.5 %	61-141		04/21/25	04/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2517015
Chloride	ND	2.00	0.1	04/21/25	04/21/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/24/2025 1:04:09PM

FS07-1'

E504162-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Benzene	0.0416	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	3.33	0.0250	1	04/21/25	04/21/25	
Toluene	4.17	0.0250	1	04/21/25	04/21/25	
o-Xylene	7.16	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	14.6	0.0500	1	04/21/25	04/21/25	
Total Xylenes	21.8	0.0250	1	04/21/25	04/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Gasoline Range Organics (C6-C10)	220	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		120 %	70-130	04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2517011	
Diesel Range Organics (C10-C28)	11200	125	5	04/21/25	04/21/25	T11
Oil Range Organics (C28-C36)	4570	250	5	04/21/25	04/21/25	
<i>Surrogate: n-Nonane</i>						
		169 %	61-141	04/21/25	04/21/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2517015	
Chloride	22.4	2.00	0.1	04/21/25	04/21/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/24/2025 1:04:09PM

FS08-1'

E504162-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2517006
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	0.0505	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	0.122	0.0500	1	04/21/25	04/21/25	
Total Xylenes	0.173	0.0250	1	04/21/25	04/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.9 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2517006
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2517011
Diesel Range Organics (C10-C28)	1420	25.0	1	04/21/25	04/21/25	
Oil Range Organics (C28-C36)	634	50.0	1	04/21/25	04/21/25	
<i>Surrogate: n-Nonane</i>						
	93.3 %	61-141		04/21/25	04/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2517015
Chloride	5.41	2.00	0.1	04/21/25	04/21/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/24/2025 1:04:09PM

FS09-1'

E504162-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.1 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2517011	
Diesel Range Organics (C10-C28)	123	25.0	1	04/21/25	04/21/25	
Oil Range Organics (C28-C36)	84.3	50.0	1	04/21/25	04/21/25	
<i>Surrogate: n-Nonane</i>						
	98.8 %	61-141		04/21/25	04/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2517015	
Chloride	10.2	2.00	0.1	04/21/25	04/21/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/24/2025 1:04:09PM

FS10-2'

E504162-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2517011	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
<i>Surrogate: n-Nonane</i>						
	98.0 %	61-141		04/21/25	04/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2517015	
Chloride	11.8	2.00	0.1	04/21/25	04/21/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/24/2025 1:04:09PM

FS11-2'

E504162-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2517011	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		04/21/25	04/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2517015	
Chloride	27.8	2.00	0.1	04/21/25	04/21/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/24/2025 1:04:09PM

FS12-1'

E504162-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2517011	
Diesel Range Organics (C10-C28)	37.7	25.0	1	04/21/25	04/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/22/25	
<i>Surrogate: n-Nonane</i>						
	92.5 %	61-141		04/21/25	04/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2517015	
Chloride	ND	2.00	0.1	04/21/25	04/21/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/24/2025 1:04:09PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517006-BLK1) Prepared: 04/21/25 Analyzed: 04/21/25

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	6.48		8.00		81.1	70-130			

LCS (2517006-BS1) Prepared: 04/21/25 Analyzed: 04/21/25

Benzene	5.87	0.0250	5.00		117	70-130			
Ethylbenzene	5.91	0.0250	5.00		118	70-130			
Toluene	5.93	0.0250	5.00		119	70-130			
o-Xylene	5.84	0.0250	5.00		117	70-130			
p,m-Xylene	11.9	0.0500	10.0		119	70-130			
Total Xylenes	17.8	0.0250	15.0		119	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.97		8.00		87.1	70-130			

Matrix Spike (2517006-MS1) Source: E504162-03 Prepared: 04/21/25 Analyzed: 04/22/25

Benzene	5.56	0.0250	5.00	ND	111	70-130			
Ethylbenzene	5.48	0.0250	5.00	ND	110	70-130			
Toluene	5.53	0.0250	5.00	ND	111	70-130			
o-Xylene	5.40	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130			
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.89		8.00		86.1	70-130			

Matrix Spike Dup (2517006-MSD1) Source: E504162-03 Prepared: 04/21/25 Analyzed: 04/21/25

Benzene	5.76	0.0250	5.00	ND	115	70-130	3.60	27	
Ethylbenzene	5.80	0.0250	5.00	ND	116	70-130	5.63	26	
Toluene	5.81	0.0250	5.00	ND	116	70-130	4.84	20	
o-Xylene	5.72	0.0250	5.00	ND	114	70-130	5.73	25	
p,m-Xylene	11.7	0.0500	10.0	ND	117	70-130	5.67	23	
Total Xylenes	17.4	0.0250	15.0	ND	116	70-130	5.69	26	
Surrogate: 4-Bromochlorobenzene-PID	6.99		8.00		87.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/24/2025 1:04:09PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517006-BLK1) Prepared: 04/21/25 Analyzed: 04/21/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			

LCS (2517006-BS2) Prepared: 04/21/25 Analyzed: 04/21/25

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

Matrix Spike (2517006-MS2) Source: E504162-03 Prepared: 04/21/25 Analyzed: 04/21/25

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

Matrix Spike Dup (2517006-MSD2) Source: E504162-03 Prepared: 04/21/25 Analyzed: 04/21/25

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0	ND	80.9	70-130	10.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/24/2025 1:04:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517011-BLK1)					Prepared: 04/21/25 Analyzed: 04/21/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.6		50.0		91.1	61-141			

LCS (2517011-BS1)					Prepared: 04/21/25 Analyzed: 04/21/25				
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	66-144			
Surrogate: n-Nonane	44.6		50.0		89.2	61-141			

Matrix Spike (2517011-MS1)					Source: E504162-04		Prepared: 04/21/25 Analyzed: 04/21/25		
Diesel Range Organics (C10-C28)	12500	125	250	11200	503	56-156			M4
Surrogate: n-Nonane	81.0		50.0		162	61-141			S5

Matrix Spike Dup (2517011-MSD1)					Source: E504162-04		Prepared: 04/21/25 Analyzed: 04/21/25		
Diesel Range Organics (C10-C28)	12200	125	250	11200	380	56-156	2.49	20	M4
Surrogate: n-Nonane	88.5		50.0		177	61-141			S5



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/24/2025 1:04:09PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517015-BLK1)					Prepared: 04/21/25 Analyzed: 04/21/25				
Chloride	ND	2.00							
LCS (2517015-BS1)					Prepared: 04/21/25 Analyzed: 04/21/25				
Chloride	25.3	2.00	25.0		101	90-110			
Matrix Spike (2517015-MS1)					Source: E504162-02		Prepared: 04/21/25 Analyzed: 04/21/25		
Chloride	65.6	2.00	25.0	47.8	71.0	80-120			M2
Matrix Spike Dup (2517015-MSD1)					Source: E504162-02		Prepared: 04/21/25 Analyzed: 04/21/25		
Chloride	75.2	2.00	25.0	47.8	110	80-120	13.7	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:	Leslie West TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/24/25 13:04

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- 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.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- T11 DRO includes undifferentiated early and late eluting analytes characteristic of both GRO and ORO.
- 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

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador				Company: Ensolum LLC		Lab WO# E504102		Job Number 23003-0002		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Leslie West TB				Address: 3122 National Parks Hwy										X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information										Analysis and Method				EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
															Remarks			
0930	4/17/2025	S	1	FS04 - 1'		1						X						Individual Temp. 5.8
0932	4/17/2025	S	1	FS05 - 1'		2						X						5.6
0934	4/17/2025	S	1	FS06 - 1'		3						X						5.6
0938	4/17/2025	S	1	FS07 - 1'		4						X						6.1
0936	4/17/2025	S	1	FS08 - 1'		5						X						5.9
1140	4/17/2025	S	1	FS09 - 1'		6						X						5.8
1311	4/17/2025	S	1	FS10 - 2'		7						X						6.4
1316	4/17/2025	S	1	FS11 - 2'		8						X						6.5
1354	4/17/2025	S	1	FS12 - 1'		9						X						5.4
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Higinio Gonzalez																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 5.9										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



Envirotech Analytical Laboratory

Printed: 4/21/2025 3:13:09PM

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:	04/21/25 07:30	Work Order ID:	E504162
Phone:	(972) 371-5200	Date Logged In:	04/18/25 16:13	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	04/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Individual sample temperatures listed on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 5.9°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Leslie West TB

Work Order: E504204

Job Number: 23003-0002

Received: 4/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/28/25



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

Project Name: Leslie West TB
Workorder: E504204
Date Received: 4/22/2025 8:00:54AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/22/2025 8:00:54AM, under the Project Name: Leslie West TB.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW01 - 0-6'	5
SW02 - 0-1'	6
SW03 - 0-1'	7
SW04 - 0-2'	8
QC Summary Data	9
QC - Volatile Organics by EPA 8021B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/28/25 13:52
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 - 0-6'	E504204-01A	Soil	04/18/25	04/22/25	Glass Jar, 2 oz.
SW02 - 0-1'	E504204-02A	Soil	04/18/25	04/22/25	Glass Jar, 2 oz.
SW03 - 0-1'	E504204-03A	Soil	04/18/25	04/22/25	Glass Jar, 2 oz.
SW04 - 0-2'	E504204-04A	Soil	04/18/25	04/22/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/28/2025 1:52:53PM

SW01 - 0-6'

E504204-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2517026	
Benzene	ND	0.0250	1	04/22/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/22/25	04/22/25	
Toluene	ND	0.0250	1	04/22/25	04/22/25	
o-Xylene	ND	0.0250	1	04/22/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/22/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/22/25	04/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.6 %	70-130		04/22/25	04/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2517026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.3 %	70-130		04/22/25	04/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2517021	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/25	04/23/25	
<i>Surrogate: n-Nonane</i>	87.2 %	61-141		04/22/25	04/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2517022	
Chloride	ND	20.0	1	04/22/25	04/22/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/28/2025 1:52:53PM

SW02 - 0-1'

E504204-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517026	
Benzene	ND	0.0250	1	04/22/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/22/25	04/22/25	
Toluene	ND	0.0250	1	04/22/25	04/22/25	
o-Xylene	ND	0.0250	1	04/22/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/22/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/22/25	04/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		04/22/25	04/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		04/22/25	04/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2517021	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/25	04/23/25	
<i>Surrogate: n-Nonane</i>						
	89.8 %	61-141		04/22/25	04/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517022	
Chloride	ND	20.0	1	04/22/25	04/22/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/28/2025 1:52:53PM

SW03 - 0-1'

E504204-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2517026
Benzene	ND	0.0250	1	04/22/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/22/25	04/22/25	
Toluene	ND	0.0250	1	04/22/25	04/22/25	
o-Xylene	ND	0.0250	1	04/22/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/22/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/22/25	04/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		04/22/25	04/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2517026
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		04/22/25	04/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2517021
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/25	04/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/25	04/23/25	
<i>Surrogate: n-Nonane</i>						
	91.7 %	61-141		04/22/25	04/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2517022
Chloride	ND	20.0	1	04/22/25	04/22/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/28/2025 1:52:53PM

SW04 - 0-2'

E504204-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517026	
Benzene	ND	0.0250	1	04/22/25	04/22/25	
Ethylbenzene	ND	0.0250	1	04/22/25	04/22/25	
Toluene	ND	0.0250	1	04/22/25	04/22/25	
o-Xylene	ND	0.0250	1	04/22/25	04/22/25	
p,m-Xylene	ND	0.0500	1	04/22/25	04/22/25	
Total Xylenes	ND	0.0250	1	04/22/25	04/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		04/22/25	04/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2517026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/25	04/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		04/22/25	04/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2517021	
Diesel Range Organics (C10-C28)	251	25.0	1	04/22/25	04/23/25	
Oil Range Organics (C28-C36)	128	50.0	1	04/22/25	04/23/25	
<i>Surrogate: n-Nonane</i>						
	89.9 %	61-141		04/22/25	04/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517022	
Chloride	327	20.0	1	04/22/25	04/22/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/28/2025 1:52:53PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517026-BLK1)

Prepared: 04/22/25 Analyzed: 04/22/25

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	7.71		8.00		96.4	70-130			

LCS (2517026-BS1)

Prepared: 04/22/25 Analyzed: 04/22/25

Benzene	4.88	0.0250	5.00		97.6	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.93	0.0250	5.00		98.5	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

Matrix Spike (2517026-MS1)

Source: E504216-04

Prepared: 04/22/25 Analyzed: 04/22/25

Benzene	5.72	0.0250	5.00	ND	114	70-130			
Ethylbenzene	5.91	0.0250	5.00	ND	118	70-130			
Toluene	5.88	0.0250	5.00	ND	118	70-130			
o-Xylene	5.79	0.0250	5.00	ND	116	70-130			
p,m-Xylene	11.9	0.0500	10.0	ND	119	70-130			
Total Xylenes	17.6	0.0250	15.0	ND	118	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			

Matrix Spike Dup (2517026-MSD1)

Source: E504216-04

Prepared: 04/22/25 Analyzed: 04/22/25

Benzene	5.44	0.0250	5.00	ND	109	70-130	4.97	27	
Ethylbenzene	5.61	0.0250	5.00	ND	112	70-130	5.14	26	
Toluene	5.58	0.0250	5.00	ND	112	70-130	5.24	20	
o-Xylene	5.50	0.0250	5.00	ND	110	70-130	5.15	25	
p,m-Xylene	11.3	0.0500	10.0	ND	113	70-130	5.16	23	
Total Xylenes	16.8	0.0250	15.0	ND	112	70-130	5.16	26	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/28/2025 1:52:53PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517026-BLK1) Prepared: 04/22/25 Analyzed: 04/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		95.9	70-130			

LCS (2517026-BS2) Prepared: 04/22/25 Analyzed: 04/22/25

Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		86.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

Matrix Spike (2517026-MS2) Source: E504216-04 Prepared: 04/22/25 Analyzed: 04/22/25

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.2	70-130			

Matrix Spike Dup (2517026-MSD2) Source: E504216-04 Prepared: 04/22/25 Analyzed: 04/22/25

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	1.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/28/2025 1:52:53PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517021-BLK1)					Prepared: 04/22/25 Analyzed: 04/23/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.3		50.0		88.6	61-141			

LCS (2517021-BS1)					Prepared: 04/22/25 Analyzed: 04/23/25				
Diesel Range Organics (C10-C28)	243	25.0	250		97.1	66-144			
Surrogate: n-Nonane	44.6		50.0		89.2	61-141			

Matrix Spike (2517021-MS1)					Source: E504204-01		Prepared: 04/22/25 Analyzed: 04/23/25		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156			
Surrogate: n-Nonane	44.9		50.0		89.7	61-141			

Matrix Spike Dup (2517021-MSD1)					Source: E504204-01		Prepared: 04/22/25 Analyzed: 04/23/25		
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.1	56-156	2.05	20	
Surrogate: n-Nonane	43.8		50.0		87.5	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/28/2025 1:52:53PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517022-BLK1)					Prepared: 04/22/25 Analyzed: 04/22/25				
Chloride	ND	20.0							
LCS (2517022-BS1)					Prepared: 04/22/25 Analyzed: 04/22/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2517022-MS1)					Source: E504216-02		Prepared: 04/22/25 Analyzed: 04/22/25		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2517022-MSD1)					Source: E504216-02		Prepared: 04/22/25 Analyzed: 04/22/25		
Chloride	256	20.0	250	ND	103	80-120	0.322	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:	Leslie West TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/28/25 13:52

- 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

Page 1 of 1

Received by OCD: 6/10/2025 9:55:45 AM

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador				Company: Ensolum LLC		Lab WO# E504204		Job Number 23003-002				<div>1D</div> <div>2D</div> <div>3D</div> <div>Std</div>						
Project: Leslie West TB				Address: 3122 National Parks Hwy								<div>NM</div> <div>CO</div> <div>UT</div> <div>TX</div>						
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220								<div>X</div> <div></div> <div></div> <div></div>						
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agioveno@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
9:20	4/18/2025	S	1	SW01 - 0-6'		1						X						
9:16	4/18/2025	S	1	SW02 - 0-1'		2						X						
9:25	4/18/2025	S	1	SW03 - 0-1'		3						X						
9:30	4/18/2025	S	1	SW04 - 0-2'		4						X						
Additional Instructions: Please CC: agioveno@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Higinio Gonzalez																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
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

Envirotech Analytical Laboratory

Printed: 4/22/2025 10:28:42AM

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:	04/22/25 08:00	Work Order ID:	E504204
Phone:	(972) 371-5200	Date Logged In:	04/21/25 15:29	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	04/28/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Individual temperatures listed on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature:

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

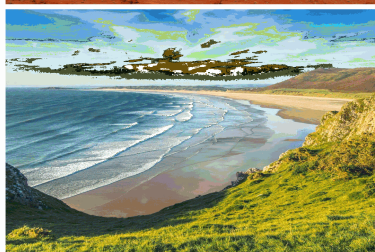
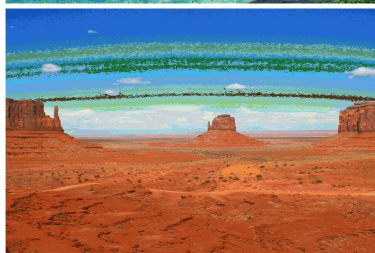
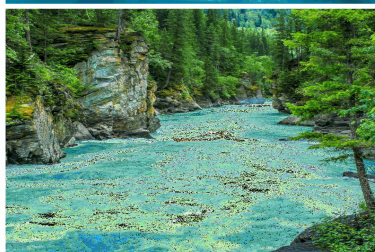
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Leslie West TB

Work Order: E504242

Job Number: 23003-0002

Received: 4/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/30/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/30/25

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



Project Name: Leslie West TB
Workorder: E504242
Date Received: 4/24/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/24/2025 7:15:00AM, under the Project Name: Leslie West TB.

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

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Laboratory Administrator
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS13-3'	5
FS14-1'	6
FS15-1'	7
FS16-6'	8
FS17-6'	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/30/25 09:14
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS13-3'	E504242-01A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.
FS14-1'	E504242-02A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.
FS15-1'	E504242-03A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.
FS16-6'	E504242-04A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.
FS17-6'	E504242-05A	Soil	04/22/25	04/24/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/30/2025 9:14:47AM

FS13-3'

E504242-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2517080	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2517080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.0 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2517087	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/25/25	
<i>Surrogate: n-Nonane</i>	99.6 %	61-141		04/24/25	04/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2517095	
Chloride	55.0	20.0	1	04/24/25	04/24/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/30/2025 9:14:47AM

FS14-1'

E504242-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2517080	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.5 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2517080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.8 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2517087	
Diesel Range Organics (C10-C28)	368	25.0	1	04/24/25	04/25/25	
Oil Range Organics (C28-C36)	161	50.0	1	04/24/25	04/25/25	
<i>Surrogate: n-Nonane</i>	96.2 %	61-141		04/24/25	04/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2517095	
Chloride	ND	20.0	1	04/24/25	04/24/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/30/2025 9:14:47AM

FS15-1'

E504242-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2517080	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2517080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2517087	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/25/25	
<i>Surrogate: n-Nonane</i>		95.0 %	61-141	04/24/25	04/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2517095	
Chloride	ND	20.0	1	04/24/25	04/24/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/30/2025 9:14:47AM

FS16-6'

E504242-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2517080	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.3 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2517080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.3 %	70-130		04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2517087	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/25/25	
<i>Surrogate: n-Nonane</i>	104 %	61-141		04/24/25	04/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2517095	
Chloride	ND	20.0	1	04/24/25	04/24/25	



Sample Data

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

Project Name: Leslie West TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/30/2025 9:14:47AM

FS17-6'

E504242-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517080	
Benzene	ND	0.0250	1	04/24/25	04/25/25	
Ethylbenzene	ND	0.0250	1	04/24/25	04/25/25	
Toluene	ND	0.0250	1	04/24/25	04/25/25	
o-Xylene	ND	0.0250	1	04/24/25	04/25/25	
p,m-Xylene	ND	0.0500	1	04/24/25	04/25/25	
Total Xylenes	ND	0.0250	1	04/24/25	04/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2517080	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/25	04/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.3 %	70-130	04/24/25	04/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2517087	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/25	04/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/25	04/25/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	04/24/25	04/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2517095	
Chloride	358	20.0	1	04/24/25	04/24/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 9:14:47AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517080-BLK1)

Prepared: 04/24/25 Analyzed: 04/25/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

LCS (2517080-BS1)

Prepared: 04/24/25 Analyzed: 04/25/25

Benzene	4.31	0.0250	5.00		86.1	70-130			
Ethylbenzene	4.30	0.0250	5.00		86.0	70-130			
Toluene	4.32	0.0250	5.00		86.5	70-130			
o-Xylene	4.28	0.0250	5.00		85.6	70-130			
p,m-Xylene	8.60	0.0500	10.0		86.0	70-130			
Total Xylenes	12.9	0.0250	15.0		85.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			

Matrix Spike (2517080-MS1)

Source: E504242-01

Prepared: 04/24/25 Analyzed: 04/25/25

Benzene	4.54	0.0250	5.00	ND	90.8	70-130			
Ethylbenzene	4.52	0.0250	5.00	ND	90.4	70-130			
Toluene	4.55	0.0250	5.00	ND	91.0	70-130			
o-Xylene	4.49	0.0250	5.00	ND	89.8	70-130			
p,m-Xylene	9.03	0.0500	10.0	ND	90.3	70-130			
Total Xylenes	13.5	0.0250	15.0	ND	90.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

Matrix Spike Dup (2517080-MSD1)

Source: E504242-01

Prepared: 04/24/25 Analyzed: 04/25/25

Benzene	4.43	0.0250	5.00	ND	88.7	70-130	2.40	27	
Ethylbenzene	4.43	0.0250	5.00	ND	88.5	70-130	2.04	26	
Toluene	4.45	0.0250	5.00	ND	88.9	70-130	2.31	20	
o-Xylene	4.39	0.0250	5.00	ND	87.8	70-130	2.18	25	
p,m-Xylene	8.87	0.0500	10.0	ND	88.7	70-130	1.81	23	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	70-130	1.93	26	
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 9:14:47AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517080-BLK1) Prepared: 04/24/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

LCS (2517080-BS2) Prepared: 04/24/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		100	70-130			

Matrix Spike (2517080-MS2) Source: E504242-01 Prepared: 04/24/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			

Matrix Spike Dup (2517080-MSD2) Source: E504242-01 Prepared: 04/24/25 Analyzed: 04/25/25

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.7	70-130	4.83	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Leslie West TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/30/2025 9:14:47AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2517087-BLK1)					Prepared: 04/24/25 Analyzed: 04/25/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		93.9	61-141			

LCS (2517087-BS1)					Prepared: 04/24/25 Analyzed: 04/25/25				
Diesel Range Organics (C10-C28)	263	25.0	250		105	66-144			
Surrogate: n-Nonane	49.0		50.0		97.9	61-141			

Matrix Spike (2517087-MS1)					Source: E504213-10		Prepared: 04/24/25 Analyzed: 04/28/25		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156			
Surrogate: n-Nonane	47.2		50.0		94.4	61-141			

Matrix Spike Dup (2517087-MSD1)					Source: E504213-10		Prepared: 04/24/25 Analyzed: 04/28/25		
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156	1.11	20	
Surrogate: n-Nonane	47.5		50.0		94.9	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Leslie West TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/30/2025 9:14:47AM
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Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2517095-BLK1)					Prepared: 04/24/25 Analyzed: 04/24/25				
Chloride	ND	20.0							
LCS (2517095-BS1)					Prepared: 04/24/25 Analyzed: 04/24/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2517095-MS1)					Source: E504242-03		Prepared: 04/24/25 Analyzed: 04/24/25		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2517095-MSD1)					Source: E504242-03		Prepared: 04/24/25 Analyzed: 04/24/25		
Chloride	262	20.0	250	ND	105	80-120	0.143	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:	Leslie West TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/30/25 09:14

- 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

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador				Company: Ensolum LLC		Lab WO# E504242		Job Number 23003-0002				1D 2D 3D Std X					
Project: Leslie West TB				Address: 3122 National Parks Hwy		City, State, Zip: Carlsbad NM, 88220						NM CO UT TX X					
Project Manager: Ashley Giovengo				Phone: 575-988-0055		Email: agiovengo@ensolum.com											
Address: 3122 National Parks Hwy				Miscellaneous:													
City, State, Zip: Carlsbad NM, 88220																	
Phone: 575-988-0055																	
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
12:56	4/22/2025	S	1	FS13 - 3'		1						X					
13:37	4/22/2025	S	1	FS14 - 1'		2						X					
13:40	4/22/2025	S	1	FS15 - 1'		3						X					
15:45	4/22/2025	S	1	FS16 - 6'		4						X					
15:55	4/22/2025	S	1	FS17 - 6'		5						X					
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Higinio Gonzalez, Rythum Rai																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

Envirotech Analytical Laboratory

Printed: 4/24/2025 8:16:41AM

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:	04/24/25 07:15	Work Order ID:	E504242
Phone:	(972) 371-5200	Date Logged In:	04/23/25 15:01	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	04/30/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Individual sample temperatures listed on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature:

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMOCD Correspondence

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 424738

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 424738
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Leslie West Tank Battery
Date Release Discovered	01/25/2025
Surface Owner	Federal

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

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Fitting Crude Oil Released: 22 BBL Recovered: 20 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 424738

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 424738
	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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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ACKNOWLEDGMENTS

Action 424738

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 424738
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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CONDITIONS

Action 424738

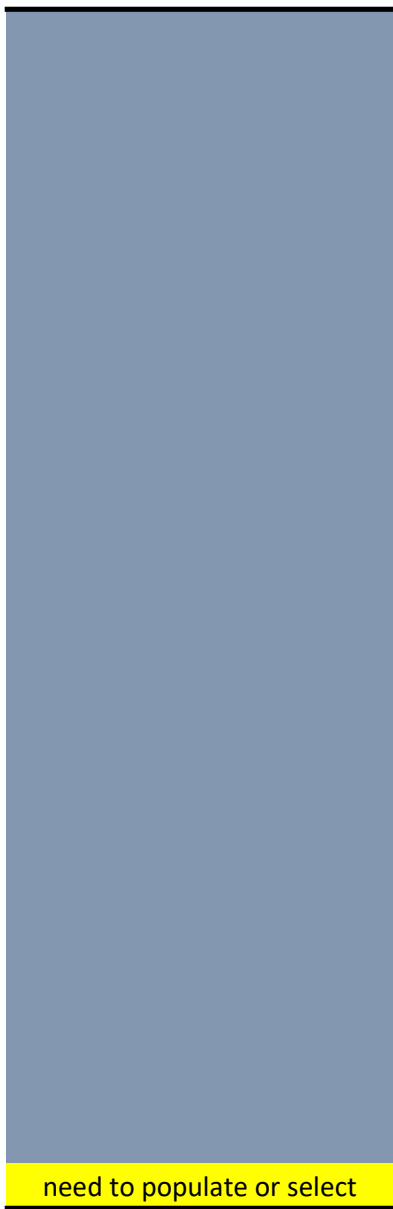
CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 424738
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
c_talley	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/26/2025

Impacted Soil	
Saturated Soil (inches)	
	0.5
Area (sq. ft.)	
	3369.7
Standing fluids	
inches of standing fluid	
bbl estimate of standing fluids	
barrels recovered (if known)	
	20
Soil type	
pad caliche	
Spill type	
oil(crude)	
Barrel estimate in soil	
	3.3
Barrel estimate (standing fluids/ recovered+in soil)	
	23.3



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QUESTIONS

Action 425556

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 425556
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502638920
Incident Name	NAPP2502638920 LESLIE WEST TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2202573626] Leslie West Facility Tank Battery

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Leslie West Tank Battery
Date Release Discovered	01/25/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Fitting Crude Oil Released: 23 BBL Recovered: 20 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 425556

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 425556
	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 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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/28/2025
--	--

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QUESTIONS, Page 3

Action 425556

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 425556
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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 for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 425556

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 425556
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	1/29/2025

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Phone: (505) 476-3441

General Information
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 450370

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 450370
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502638920
Incident Name	NAPP2502638920 LESLIE WEST TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202573626] Leslie West Facility Tank Battery

Location of Release Source	
Site Name	Leslie West Tank Battery
Date Release Discovered	01/25/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,369
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/14/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.12418, -103.39192

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 450370

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 450370
	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.	4/9/2025

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Phone: (505) 476-3441

General Information
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 450436

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 450436
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502638920
Incident Name	NAPP2502638920 LESLIE WEST TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202573626] Leslie West Facility Tank Battery

Location of Release Source	
Site Name	Leslie West Tank Battery
Date Release Discovered	01/25/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,369
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/15/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.12418, -103.39192

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Oil Conservation Division
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CONDITIONS

Action 450436

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 450436
	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.	4/9/2025

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 450439

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 450439
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502638920
Incident Name	NAPP2502638920 LESLIE WEST TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202573626] Leslie West Facility Tank Battery

Location of Release Source	
Site Name	Leslie West Tank Battery
Date Release Discovered	01/25/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,369
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/16/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.12418, -103.39192

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 450439

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 450439
	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.	4/9/2025

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Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS

Action 450442

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 450442
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502638920
Incident Name	NAPP2502638920 LESLIE WEST TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202573626] Leslie West Facility Tank Battery

Location of Release Source	
Site Name	Leslie West Tank Battery
Date Release Discovered	01/25/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,369
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/17/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.12418, -103.39192

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CONDITIONS

Action 450442

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 450442
	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.	4/9/2025

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Santa Fe, NM 87505

QUESTIONS

Action 452880

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 452880
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502638920
Incident Name	NAPP2502638920 LESLIE WEST TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202573626] Leslie West Facility Tank Battery

Location of Release Source	
Site Name	Leslie West Tank Battery
Date Release Discovered	01/25/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,369
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/18/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.12418, -103.39192

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CONDITIONS

Action 452880

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 452880
	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.	4/16/2025

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1220 S. St Francis Dr.
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QUESTIONS

Action 452893

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 452893
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502638920
Incident Name	NAPP2502638920 LESLIE WEST TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202573626] Leslie West Facility Tank Battery

Location of Release Source	
Site Name	Leslie West Tank Battery
Date Release Discovered	01/25/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,369
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/21/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.12418, -103.39192

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CONDITIONS

Action 452893

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 452893
	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.	4/16/2025

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Santa Fe, NM 87505

QUESTIONS

Action 454358

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 454358
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502638920
Incident Name	NAPP2502638920 LESLIE WEST TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202573626] Leslie West Facility Tank Battery

Location of Release Source	
Site Name	Leslie West Tank Battery
Date Release Discovered	01/25/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,369
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/22/2025
Time sampling will commence	09:00 AM
 Warning: Notification can not be less than two business days prior to conducting final sampling. 	
Please provide any information necessary for observers to contact samplers	Robert Hamlet approved (Variance Approval) - 48-Hour Confirmation Sampling Notice - Leslie West Tank Battery - Incident Number nAPP2502638920
Please provide any information necessary for navigation to sampling site	32.12418, -103.39192

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Santa Fe, NM 87505

CONDITIONS

Action 454358

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 454358
	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.	4/22/2025

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State of New Mexico
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Santa Fe, NM 87505

QUESTIONS

Action 472590

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472590
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2502638920
Incident Name	NAPP2502638920 LESLIE WEST TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2202573626] Leslie West Facility Tank Battery

Location of Release Source

Please answer all the questions in this group.

Site Name	Leslie West Tank Battery
Date Release Discovered	01/25/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Equipment Failure Fitting Crude Oil Released: 23 BBL Recovered: 20 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
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QUESTIONS, Page 2

Action 472590

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472590
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/28/2025
--	--

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

General Information
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 3

Action 472590

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472590
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1650
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	93640
GRO+DRO (EPA SW-846 Method 8015M)	42800
BTEX (EPA SW-846 Method 8021B or 8260B)	942
Benzene (EPA SW-846 Method 8021B or 8260B)	18
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/15/2025
On what date will (or did) the final sampling or liner inspection occur	04/22/2025
On what date will (or was) the remediation complete(d)	04/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	2400
What is the estimated volume (in cubic yards) that will be reclaimed	128
What is the estimated surface area (in square feet) that will be remediated	969
What is the estimated volume (in cubic yards) that will be remediated	32
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 472590

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472590
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	<i>Not answered.</i>
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Northern Delaware Basin Disposal, Jal NM
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/10/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 472590

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472590
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The deferral area is directly below process piping. Further excavation could weaken the structure integrity of the supports beneath piping and compromise the structural integrity on the facility.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	400
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	15
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Leslie West Facility Tank Battery [APP2202573626]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/10/2025

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QUESTIONS, Page 6

Action 472590

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472590
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	454358
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/22/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	3369

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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Sante Fe Main Office
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<https://www.emnrd.nm.gov/oed/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 472590

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472590
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Matador's deferral requests final remediation for (Incident Number:NAPP2502638920) until final reclamation of the well pad or major construction, whichever comes first. Ensolum and Matador do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The impacted soil is the shaded area on figure 4 that is limited to the area beneath active production equipment, where remediation would require a major facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue.	7/18/2025