



September 22, 2025

New Mexico Energy Minerals and Natural Resources Department

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

**Re: Closure Request
Dagger Lake North TB
Incident Number nAPP2517528592
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, and soil sampling activities at the Dagger Lake North TB (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a fire at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and confirmation sampling activities that have occurred and requesting no further action for Incident Number nAPP2517528592.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit L, Section 05, Township 22 South, Range 33 East, in Lea County, New Mexico (32.41875°, -103.60167°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On June 23, 2025, a fire occurred at a vertical heater treater (VHT) causing 19 barrels (bbls) of crude oil to be released on pad; 0 bbls of crude oil were recovered. Matador submitted a Release Notification Form C-141 (C-141) on July 1, 2025. The Form C-141 can be referenced on the New Mexico Oil Conservation Division (NMOCD) Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is Office of the State Engineer (OSE) well CP 1881 POD1, located approximately 1,560 feet northwest of the Site. The well had a reported depth to groundwater of greater than 105 feet below ground surface (bgs). There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for

depth to groundwater determinations are presented on Figure 1. The referenced well record and log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 723 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

CULTURAL AND BIOLOGICAL REVIEW

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

The Site is located within the historical range of the Lesser Prairie Chicken (LPC), within an isolated population area, and is located within an NMSLO Candidate Conservation Agreement with Assurances (CCAA) area. The Site is not located within the range of the Dunes Sagebrush Lizard. No suitable habitat for the Dunes Sagebrush Lizard was identified at the Site. A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical wildlife habitats at the Site. Threatened or endangered bird species (LPC or others) are potentially present in the area near the Site. No native vegetation/habitat outside of the well pad extent were disturbed during delineation and confirmation sampling activities. The Site area is greater than 1,000 feet to surface water, wetlands, or other sensitive receptors. Remediation activities at the Site were completed without mechanical equipment and after brooding season for the LPC had concluded.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

Beginning on July 3, 2025, through September 3, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Preliminary soil samples (SS01 through SS08) were collected at ground surface and 1-foot bgs to assess the lateral extent of the release area. Four boreholes (BH01 through BH04) were advanced within the release extent to assess the vertical extent of impacted soil; borehole BH01 was advanced to a depth of 3 feet bgs and boreholes BH02 through BH04 were advanced to a depth of 2 feet bgs via hand auger.

Matador Production Company
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The preliminary soil samples and boreholes were field screened for chloride and TPH utilizing Hatch® QuanTab® chloride test strips and a PetroFLAG® Soil Analyzer System, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. Photographs from delineation activities can be referenced in the Photolog in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

CONFIRMATION SOIL SAMPLING ACTIVITIES

Ensolum personnel returned to the Site on September 6, 2025, to collect confirmation soil samples within the release extent. Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor of the release extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS25) were collected from the release extent at ground surface. The confirmation soil samples were collected, handled, and analyzed following the same procedures as described above. The final confirmation sampling extent measured approximately 4,865 square feet. The release extent and confirmation soil sample locations are presented on Figure 3.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS04 indicated COCs were all in compliance with the Site Closure Criteria and the strictest Closure Criteria at ground surface and 1-foot bgs. Laboratory analytical results for preliminary soil samples SS05 through SS08 indicated COCs were all in compliance with the Site Closure Criteria at ground surface and 1-foot bgs. Laboratory analytical results for borehole BH01 indicated all COCs were in compliance with the Site Closure Criteria and the strictest Closure Criteria per NMOCD Table I at ground surface and 2 feet bgs. Laboratory analytical results for boreholes BH02 and BH04 indicated all COCs were in compliance with the Site Closure Criteria and the strictest Closure Criteria per NMOCD Table I at ground surface and 1-foot bgs. Laboratory analytical results for borehole BH03 indicated all COCs were in compliance with the Site Closure Criteria at ground surface and with the strictest Closure Criteria per NMOCD Table I at 1-foot bgs.

Laboratory analytical results for confirmation floor soil samples FS01 through FS25 indicated COC concentrations were all in compliance with the Site Closure Criteria at ground surface. Laboratory analytical results are summarized in Tables 1, and 2, and the complete laboratory analytical reports are included as Appendix D.

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CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS04, collected at ground surface and 1-foot bgs, and vertically by boreholes BH01 through BH04, collected at depths ranging from ground surface to 2 feet bgs. Confirmation floor samples FS01 through FS25, collected at ground surface were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2517528592.

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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Chad Hamilton".

Chad Hamilton
Project Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir".

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

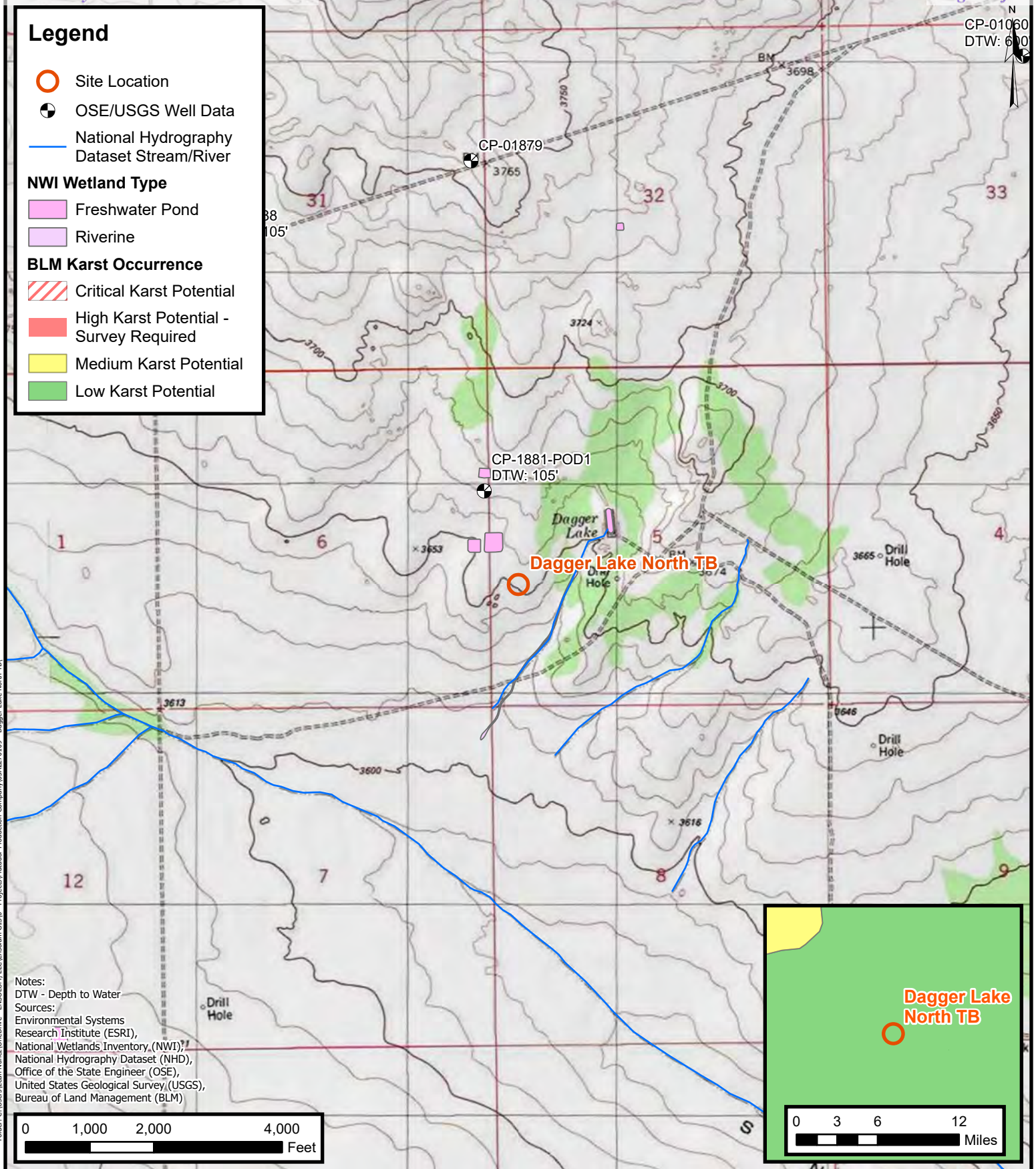
cc: Jason Touchet, Matador

Appendices:

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



FIGURES



Site Receptor Map

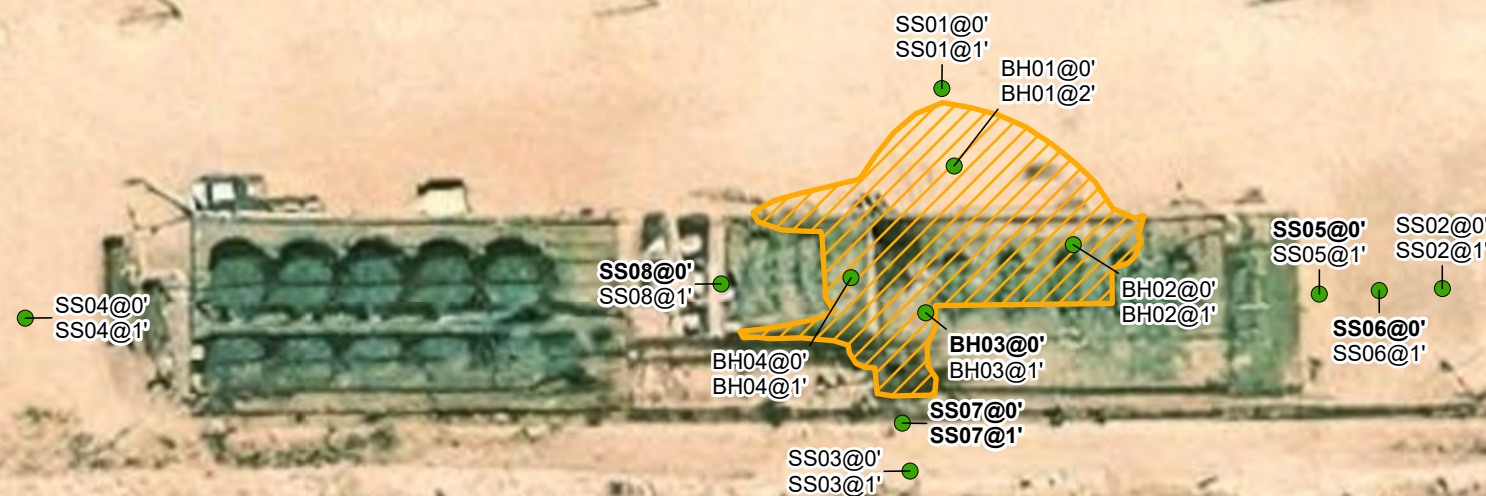
Matador Production Company
Dagger Lake North TB
Incident Number: nAPP2517528592
Unit L, Section 05, T 22S, R 33E
Lea County, New Mexico

FIGURE

1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- ▨ Release Extent



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

0 27.5 55 110
 Feet

Sources: Environmental Systems Research Institute (ESRI)



Delineation Soil Sample Locations

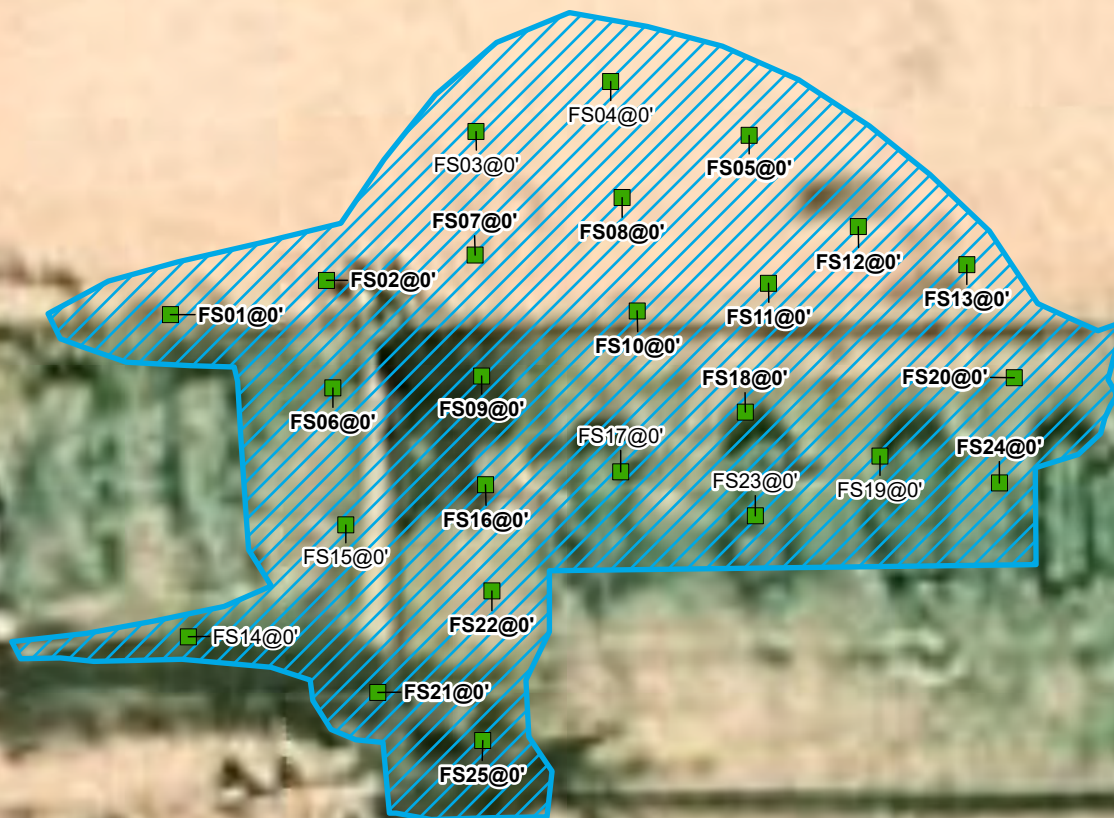
Matador Production Company
 Dagger Lake North TB
 Incident Number: nAPP2517528592
 Unit L, Section 05, T 22S, R 33E
 Lea County, New Mexico

FIGURE

2

Legend

- Confirmation Floor Soil Sample in Compliance with Closure Criteria
- ▨ Excavation Extent



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

0 10 20 40
 Feet

Sources: Environmental Systems Research Institute (ESRI)



Confirmation Soil Sample Locations

Matador Production Company
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 Unit L, Section 05, T 22S, R 33E
 Lea County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS

Dagger Lake North TB
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 Reclamation Requiremnt (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	7/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.1
SS01	7/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	7/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	7/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.0
SS03	7/9/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	7/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	7/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	197
SS04	7/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	370
SS05	9/3/2025	0	<0.0250	<0.0500	<20.0	61.8	146.0	61.8	208	<20.0
SS05	9/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	9/3/2025	0	<0.0250	<0.0500	<20.0	48.8	263.0	48.8	312	105
SS06	9/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	221
SS07	9/3/2025	0	<0.0250	<0.0500	<20.0	34.4	86.8	34.4	121	<20.0
SS07	9/3/2025	1	<0.0250	<0.0500	<20.0	53.7	70.7	53.7	124	<20.0
SS08	9/3/2025	0	<0.0250	<0.0500	<20.0	226	304.0	226	530	<20.0
SS08	9/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

TABLE 1 - CONT'D SOIL SAMPLE ANALYTICAL RESULTS Dagger Lake North TB 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 Reclamation Requiremnt (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH01	7/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	7/10/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.9
BH02	7/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.2
BH02	7/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.6
BH03	7/10/2025	0	<0.0250	<0.0500	<20.0	619	282.0	619	901	<20.0
BH03	7/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.7
BH04	7/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	7/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

Red text represents samples that exceed Closure Criteria

<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria 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

Dagger Lake North TB
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 Reclamation Requiremnt (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Confirmation Soil Samples										
FS01	9/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,480
FS02	9/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,520
FS03	9/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.2
FS04	9/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.5
FS05	9/6/2025	0	<0.0250	<0.0500	<20.0	41.8	61.6	41.8	103	61.0
FS06	9/6/2025	0	<0.0250	<0.0500	<20.0	53.9	93.1	53.9	147	363
FS07	9/6/2025	0	<0.0250	<0.0500	<20.0	91.0	132	91.0	223	<20.0
FS08	9/6/2025	0	<0.0250	<0.0500	<20.0	207	257	207	464	89.9
FS09	9/6/2025	0	<0.0250	<0.0500	<20.0	68.6	108	68.6	177	<20.0
FS10	9/6/2025	0	<0.0250	<0.0500	<20.0	174	218	174	392	<20.0
FS11	9/6/2025	0	<0.0250	<0.0500	<20.0	56.2	88.5	56.2	145	817
FS12	9/6/2025	0	<0.0250	<0.0500	<20.0	170	248	170	418	926
FS13	9/6/2025	0	<0.0250	<0.0500	<20.0	94.2	166	94.2	260	741
FS14	9/6/2025	0	<0.0250	<0.0500	<20.0	31.8	65.2	31.8	97.0	<20.0
FS15	9/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS16	9/6/2025	0	<0.0250	<0.0500	<20.0	109	141	109	250	119
FS17	9/6/2025	0	<0.0250	0.147	<20.0	<25.0	<50.0	<25.0	<50.0	164
FS18	9/6/2025	0	<0.0250	<0.0500	<20.0	78.6	105.0	78.6	184	941
FS19	9/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	83.8
FS20	9/6/2025	0	<0.0250	<0.0500	<20.0	149	231	149	380	<20.0



TABLE 2 - CONT'D SOIL SAMPLE ANALYTICAL RESULTS Dagger Lake North TB 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 Reclamation Requiremnt (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Confirmation Soil Samples										
FS21	9/6/2025	0	<0.0250	<0.0500	<20.0	60.0	84.5	60.0	145	<20.0
FS22	9/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,470
FS23	9/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	466
FS24	9/6/2025	0	<0.0250	<0.0500	<20.0	34.2	<50.0	34.2	34.2	1,220
FS25	9/6/2025	0	<0.0250	<0.0500	<20.0	145	174	145	319	49.8

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

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<: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Record and Log



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1881			
	WELL OWNER NAME(S) Advanced Energy Partners				PHONE (OPTIONAL) 832.672.4700			
	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Stuit 950				CITY Houston	STATE TX	ZIP 77077	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 25	SECONDS 22 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	36	12 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE SE NE Sec. 06 T22S R33E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 10/12/2021	DRILLING ENDED 10/12/2021	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger							
	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	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

OSE 01/10/2021 PM 9:14

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	CP-1881	POD NO.	1	TRN NO.	699675
LOCATION	22S. 33E. 4. 242			WELL TAG ID NO.	—

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4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	14	14	Sand, fine-grained, poorly graded with Caliche, Brown	Y ✓ N	
	14	19	5	Caliche, consolidated with fin-grained sand, White/Tan	Y ✓ N	
	19	24	5	Sand, fine-grained, poorly graded with Caliche, Reddish Brown	Y ✓ N	
	24	44	20	Sand, fine-grained, poorly graded with clay, Reddish Brown	Y ✓ N	
	44	64	20	Sand, fine-grained, poorly graded with clay, Brown Tan	Y ✓ N	
	64	105	41	Sand, fine-grained, poorly graded with clay, Brown	Y ✓ N	
					Y N	
					Y N	
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					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. USE DTI NOV 2 2021 AM 9:14	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins SIGNATURE OF DRILLER / PRINT SIGNEE NAME	10/27/2021 DATE

FOR OSE INTERNAL USE

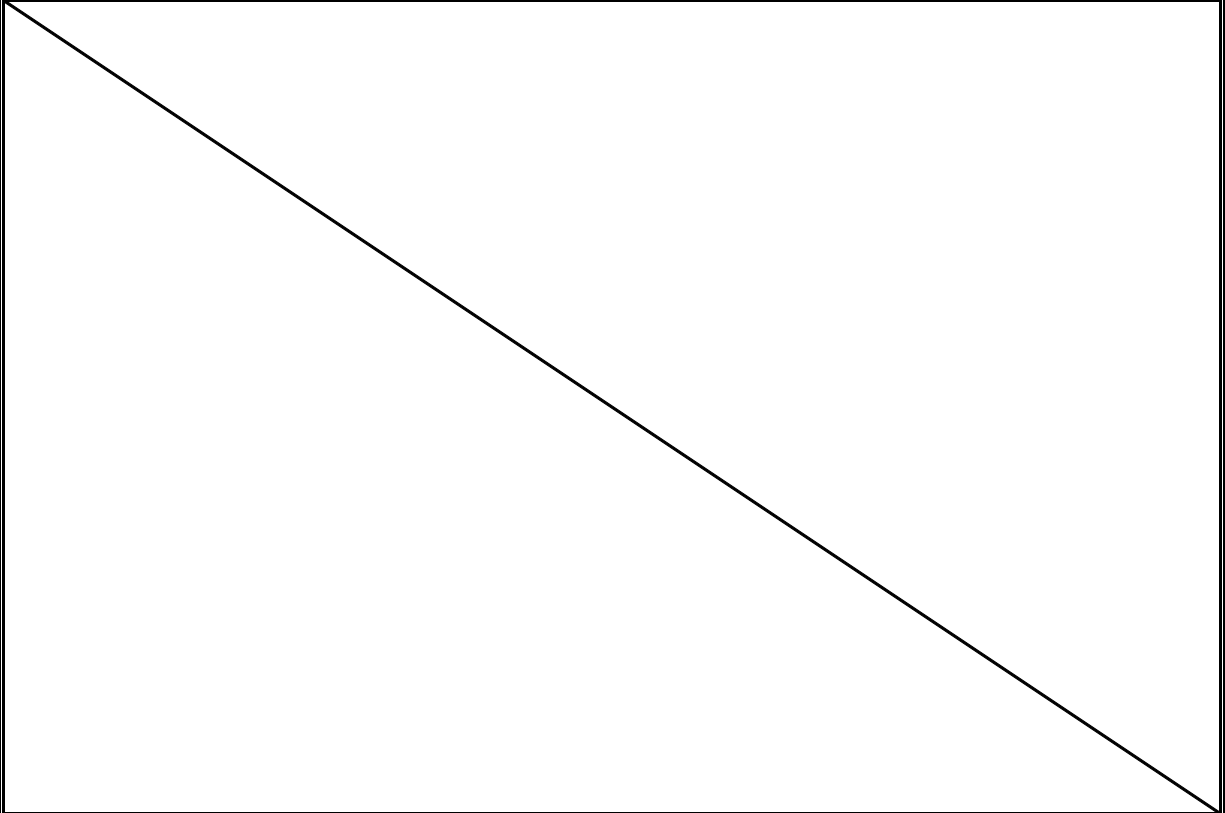
WR-20 WELL RECORD & LOG (Version 06/30/2017)

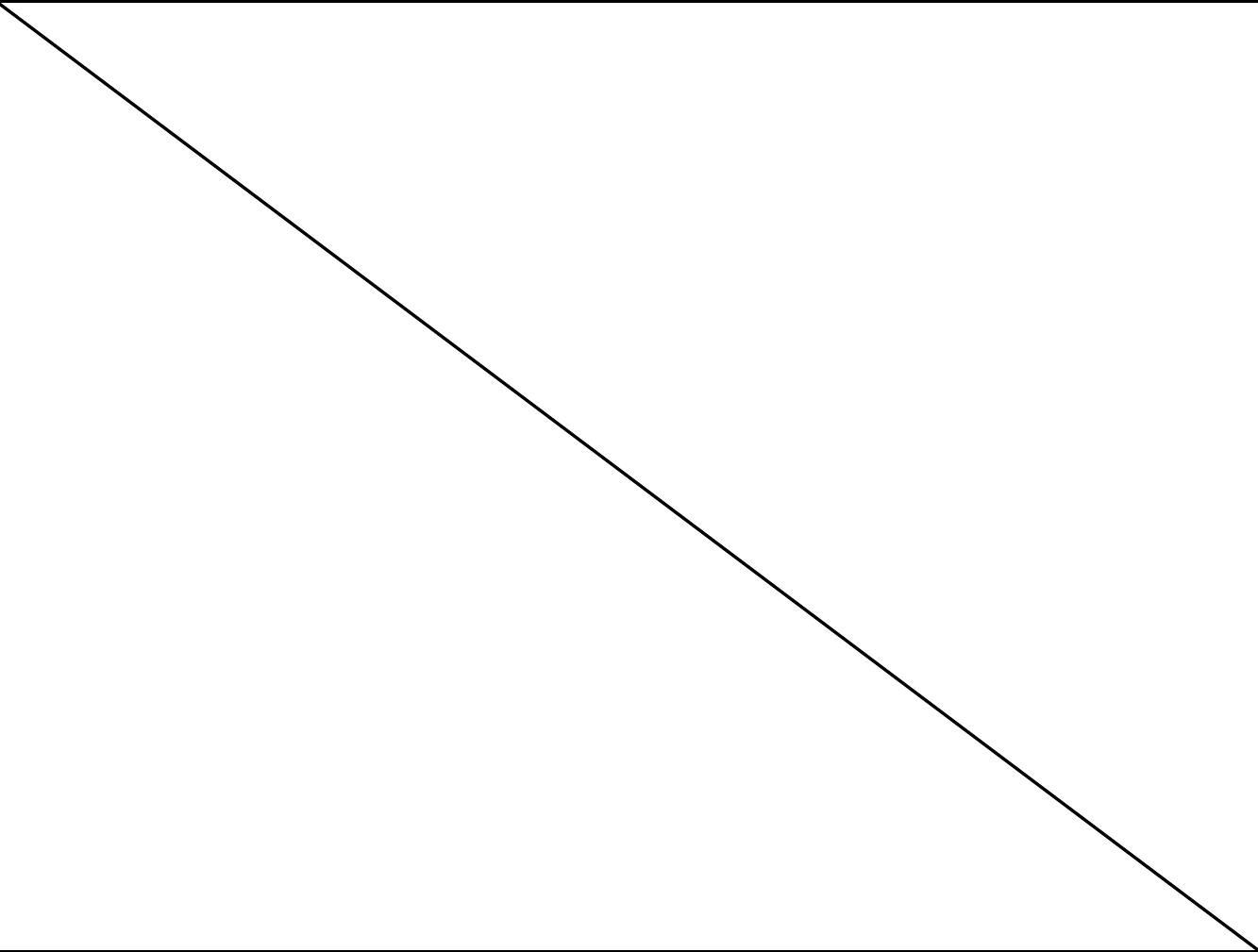
FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

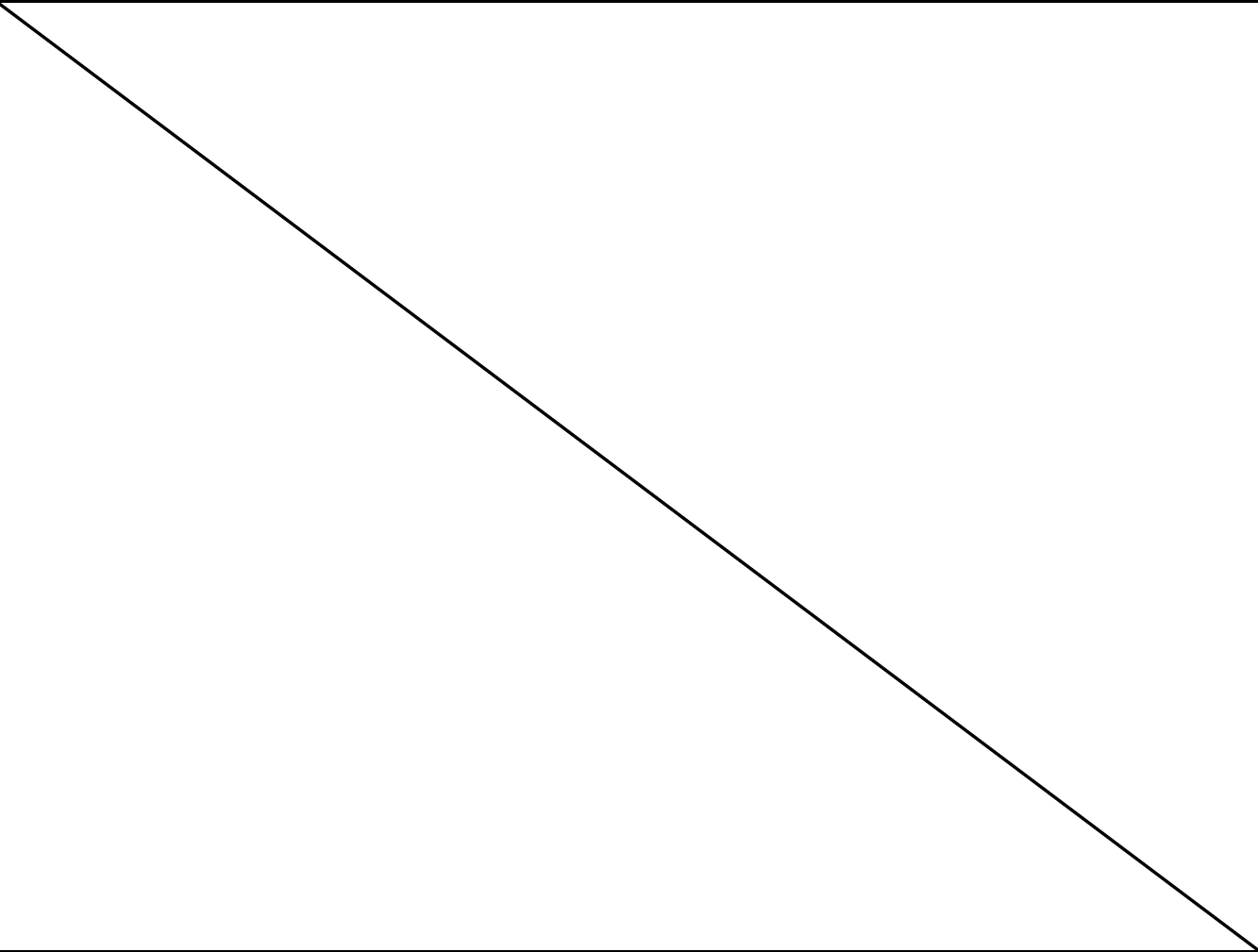


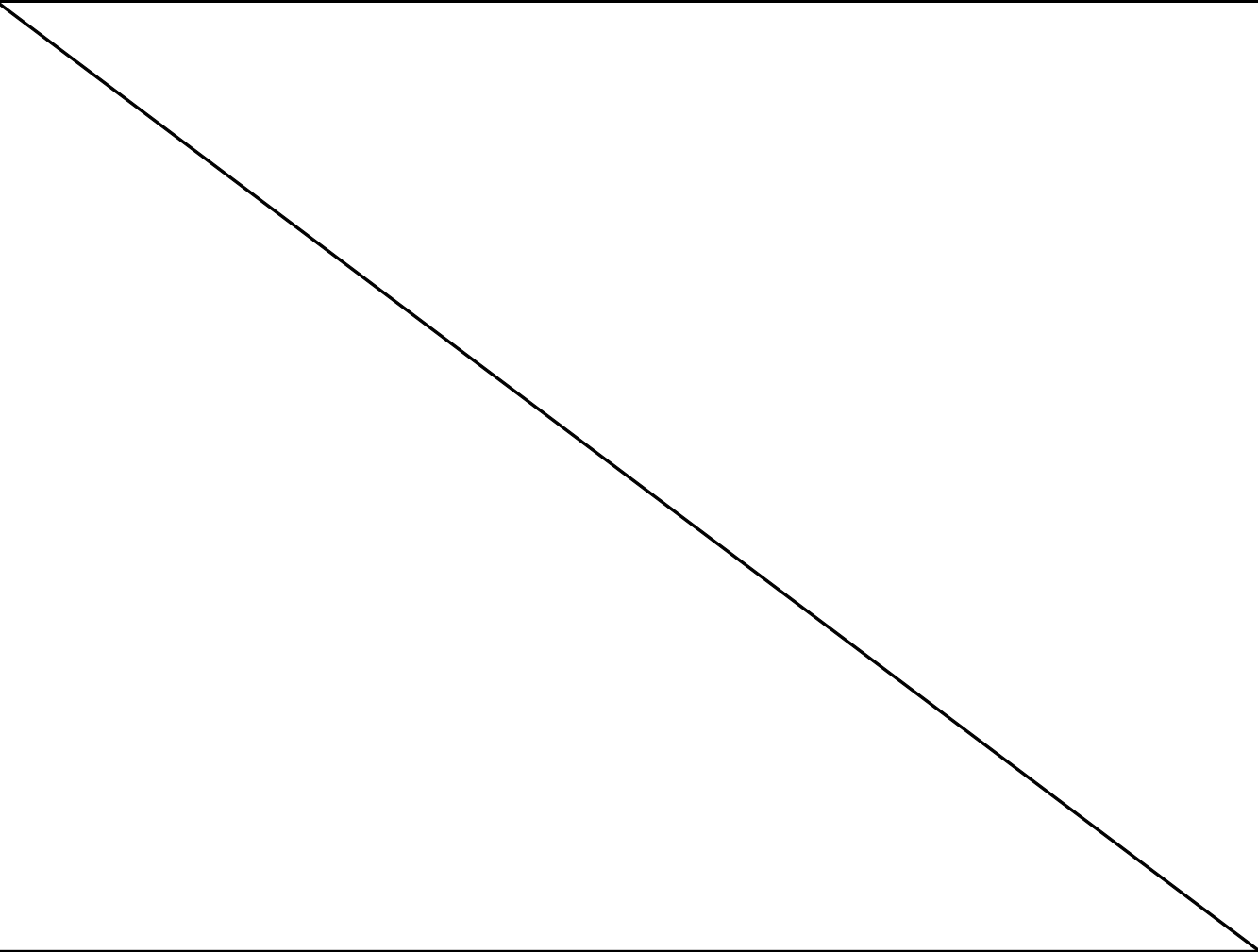
APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: BH01		Date: 07/10/2025	
								Site Name: Dagger Lake North TB			
								Incident Number: nAPP2517528592			
								Job Number: 03A2270109			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: U.Santillana		Method: Hand Auger	
Coordinates: 32.418785,-103.601651								Hole Diameter: 3"		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			N	BH01	0	0	SP				
D	<168	101	N			1		(1-3')SAND with trace clay, brown, fine to medium grain, white caliche, medium grain peppered throughout, non-cohesive.			
M	<168	58	N	BH01	2	2		SAND with trace clay, dark brown, fine grain, and non-cohesive.			
M	<168	65	N			3		SAND with trace clay, dark brown, white caliche peppered throughout, fine grain and non-cohesive.			
Total Depth @ 3 feet bgs											
											

 ENSOLUM								Sample Name: BH02		Date: 07/10/2025	
								Site Name: Dagger Lake North TB			
								Incident Number: nAPP2517528592			
								Job Number: 03A2270109			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: U.Santillana		Method: Hand Auger	
Coordinates: 32.418720,-103.601542								Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			Y	BH02	0	0					
D	<168	40	N	BH02	1	1	SP	(1-2') SAND with tray clay, brown, pieces of white caliche throughout, fine grain, non-cohesive, and no odor.			
D	<168	73	N			2		SAND w/ little clay, brown, fine grain, non-cohesive and no odor.			
Total Depth @ 2 feet bgs											
											

 ENSOLUM		Sample Name: BH03		Date: 07/10/2025				
		Site Name: Dagger Lake North TB						
		Incident Number: nAPP2517528592						
		Job Number: 03A2270109						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.418669,-103.601680			Logged By: U.Santillana		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 2'			
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH03	0	0		(0-1')SAND with trace silt and with caliche, light brown, medium-fine grain, and no odor.
D	<168	75	N	BH03	1	1	SW	
M	<168	54	N			2	SP	
(2')SAND with little clay, dark brown, fine grain, non-cohesive and no odor.								
Total Depth @ 2 feet bgs								
								

 ENSOLUM		Sample Name: BH04		Date: 07/10/2025				
		Site Name: Dagger Lake North TB						
		Incident Number: nAPP2517528592						
		Job Number: 03A2270109						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.418697,-103.601749			Logged By: U.Santillana		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 2'			
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH04	0	0		
D	<168	75	N	BH04	1	1	SW	(0-1')SAND with trace silt and with caliche, light
M	<168	54	N		2	2	SP	(2')SAND with little clay, dark brown, fine grain,
Total depth @ 2 feet bgs								
								



APPENDIX C

Photographic Log

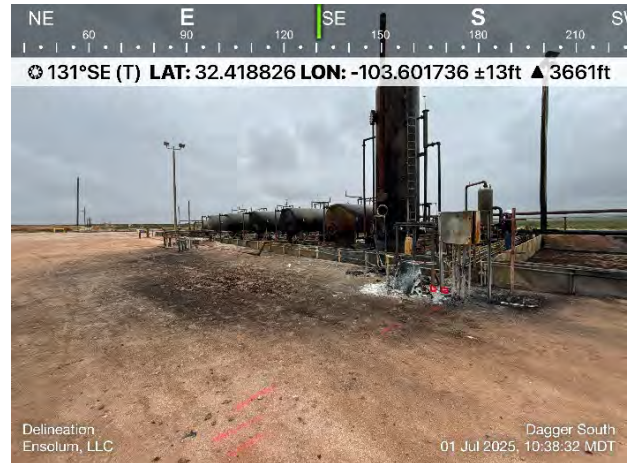


Photographic Log

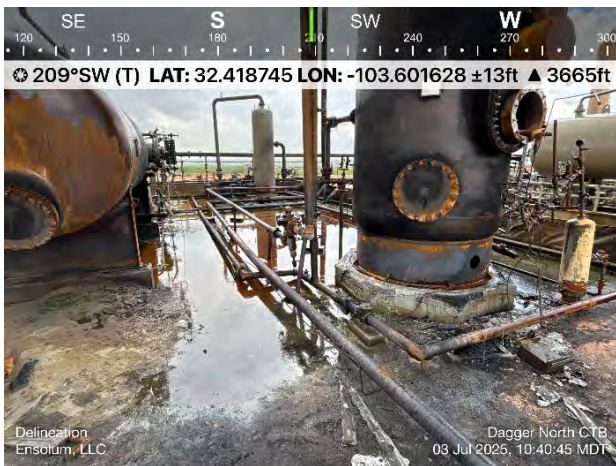
Matador Production Company
Dagger Lake North TB
nAPP2517528592



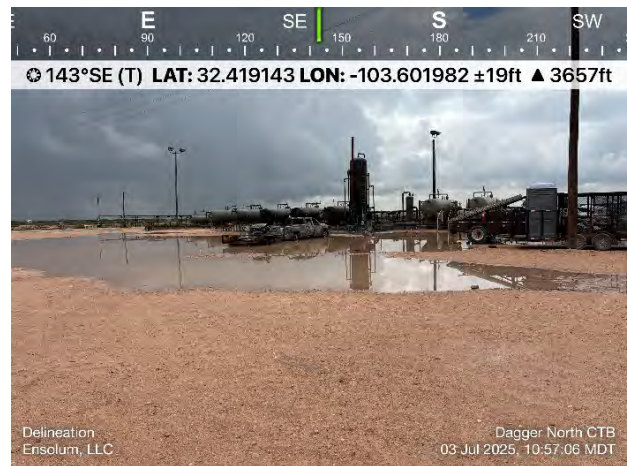
Photograph 1 Date: 7/1/2025
Description: Release extent
View: Southwest



Photograph 2 Date: 7/1/2025
Description: Release extent
View: Southeast



Photograph 3 Date: 7/3/2025
Description: Delineation
View: Southwest



Photograph 4 Date: 7/3/2025
Description: Delineation
View: Southeast



Photographic Log

Matador Production Company
Dagger Lake North TB
nAPP2517528592



Photograph 5
Description: SS01
View: South



Photograph 6
Description: BH03
View: North



Photograph 7
Description: BH02
View: West



Photograph 8
Description: Delineation
View: East

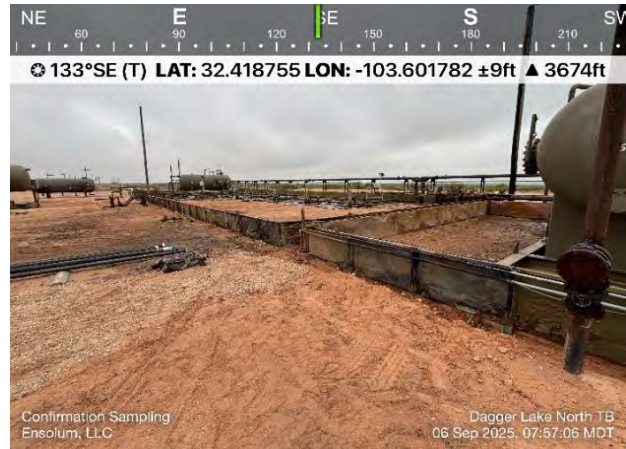


Photographic Log

Matador Production Company
Dagger Lake North TB
nAPP2517528592



Photograph 9 Date: 9/6/2025
Description: Confirmation sampling
View: East



Photograph 10 Date: 9/6/2025
Description: Confirmation sampling
View: Southeast



Photograph 11 Date: 9/6/2025
Description: Confirmation sampling
View: South



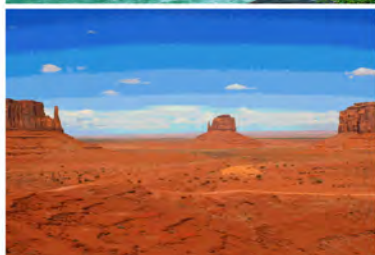
Photograph 12 Date: 9/6/2025
Description: Confirmation sampling
View: Southeast



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: Dagger Lake North TB

Work Order: E507098

Job Number: 23003-0002

Received: 7/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/16/25

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: 7/16/25

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



Project Name: Dagger Lake North TB
Workorder: E507098
Date Received: 7/11/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/11/2025 7:15:00AM, under the Project Name: Dagger Lake North TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake North 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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/16/25 11:54
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E507098-01A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
SS01-1'	E507098-02A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
SS02-0'	E507098-03A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
SS02-1'	E507098-04A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
SS03-0'	E507098-05A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.
SS03-1'	E507098-06A	Soil	07/09/25	07/11/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 11:54:53AM
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SS01-0'

E507098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.1 %	70-130	07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/12/25	
<i>Surrogate: n-Nonane</i>		96.7 %	61-141	07/11/25	07/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	52.1	20.0	1	07/14/25	07/14/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/16/2025 11:54:53AM

SS01-1'

E507098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.1 %	70-130		07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/12/25	
<i>Surrogate: n-Nonane</i>						
	92.6 %	61-141		07/11/25	07/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	ND	20.0	1	07/14/25	07/14/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/16/2025 11:54:53AM

SS02-0'

E507098-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.2 %	70-130		07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/12/25	
<i>Surrogate: n-Nonane</i>						
	94.9 %	61-141		07/11/25	07/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	ND	20.0	1	07/14/25	07/14/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/16/2025 11:54:53AM

SS02-1'

E507098-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.7 %	70-130		07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.2 %	70-130		07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/12/25	
<i>Surrogate: n-Nonane</i>	94.8 %	61-141		07/11/25	07/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	38.0	20.0	1	07/14/25	07/14/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/16/2025 11:54:53AM

SS03-0'

E507098-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.2 %	70-130		07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.8 %	70-130		07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>	94.2 %	61-141		07/11/25	07/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	ND	20.0	1	07/14/25	07/14/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 11:54:53AM
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SS03-1'

E507098-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Benzene	ND	0.0250	1	07/11/25	07/15/25	
Ethylbenzene	ND	0.0250	1	07/11/25	07/15/25	
Toluene	ND	0.0250	1	07/11/25	07/15/25	
o-Xylene	ND	0.0250	1	07/11/25	07/15/25	
p,m-Xylene	ND	0.0500	1	07/11/25	07/15/25	
Total Xylenes	ND	0.0250	1	07/11/25	07/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.1 %	70-130		07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528174	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/25	07/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		07/11/25	07/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528185	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>						
	93.4 %	61-141		07/11/25	07/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2529005	
Chloride	ND	20.0	1	07/14/25	07/14/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/16/2025 11:54:53AM

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 (2528174-BLK1)

Prepared: 07/11/25 Analyzed: 07/14/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			

LCS (2528174-BS1)

Prepared: 07/11/25 Analyzed: 07/14/25

Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.33	0.0250	5.00		107	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.94		8.00		86.8	70-130			

Matrix Spike (2528174-MS1)

Source: E507096-02

Prepared: 07/11/25 Analyzed: 07/14/25

Benzene	5.10	0.0250	5.00	ND	102	70-130			
Ethylbenzene	4.97	0.0250	5.00	ND	99.3	70-130			
Toluene	5.05	0.0250	5.00	ND	101	70-130			
o-Xylene	4.93	0.0250	5.00	ND	98.5	70-130			
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.04		8.00		88.0	70-130			

Matrix Spike Dup (2528174-MSD1)

Source: E507096-02

Prepared: 07/11/25 Analyzed: 07/14/25

Benzene	5.57	0.0250	5.00	ND	111	70-130	8.76	27	
Ethylbenzene	5.42	0.0250	5.00	ND	108	70-130	8.73	26	
Toluene	5.51	0.0250	5.00	ND	110	70-130	8.70	20	
o-Xylene	5.38	0.0250	5.00	ND	108	70-130	8.81	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	8.45	23	
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130	8.56	26	
Surrogate: 4-Bromochlorobenzene-PID	7.00		8.00		87.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/16/2025 11:54:53AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2528174-BLK1) Prepared: 07/11/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.1	70-130			

LCS (2528174-BS2) Prepared: 07/11/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.2	70-130			

Matrix Spike (2528174-MS2) Source: E507096-02 Prepared: 07/11/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	86.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			

Matrix Spike Dup (2528174-MSD2) Source: E507096-02 Prepared: 07/11/25 Analyzed: 07/15/25

Gasoline Range Organics (C6-C10)	41.4	20.0	50.0	ND	82.8	70-130	3.79	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/16/2025 11:54:53AM

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 (2528185-BLK1)					Prepared: 07/11/25 Analyzed: 07/12/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.1		50.0		94.2	61-141			

LCS (2528185-BS1)					Prepared: 07/11/25 Analyzed: 07/12/25				
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	66-144			
Surrogate: n-Nonane	47.1		50.0		94.2	61-141			

Matrix Spike (2528185-MS1)					Source: E507099-02		Prepared: 07/11/25 Analyzed: 07/12/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	56-156			
Surrogate: n-Nonane	47.9		50.0		95.9	61-141			

Matrix Spike Dup (2528185-MSD1)					Source: E507099-02		Prepared: 07/11/25 Analyzed: 07/12/25		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	56-156	0.297	20	
Surrogate: n-Nonane	47.5		50.0		95.0	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 11:54:53AM
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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 (2529005-BLK1)					Prepared: 07/14/25 Analyzed: 07/14/25				
Chloride	ND	20.0							
LCS (2529005-BS1)					Prepared: 07/14/25 Analyzed: 07/14/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2529005-MS1)					Source: E507098-03		Prepared: 07/14/25 Analyzed: 07/14/25		
Chloride	264	20.0	250	ND	105	80-120			
Matrix Spike Dup (2529005-MSD1)					Source: E507098-03		Prepared: 07/14/25 Analyzed: 07/14/25		
Chloride	263	20.0	250	ND	105	80-120	0.0376	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:	Dagger Lake North TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/16/25 11:54

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

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Dagger Lake North TB				Address: 3122 National Parks Hwy		E507098	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCO 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1015	7/19/25	S	1	SS01-0'		1									X				
1018				SS01-2'		2													
1435				SS02-0'		3													
1438				SS02-1'		4													
1441				SS03-0'		5													
1442				SS03-1'		6													
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, usantillana@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Uriel Santillana																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N													
<i>Uriel Santillana</i>	7/10/25	0900	<i>Michelle Gonzales</i>	7-10-25	0900														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>Michelle Gonzales</i>	7-10-25	1700	<i>L.M.</i>	7.10.25	1700														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>L.M.</i>	7.10.25	2300	<i>Cristina Marr</i>	7-11-25	715														
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: 7/11/2025 9:09:11AM

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:	07/11/25 07:15	Work Order ID:	E507098
Phone:	(972) 371-5200	Date Logged In:	07/10/25 15:37	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/17/25 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? Yes

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake North TB

Work Order: E507129

Job Number: 23003-0002

Received: 7/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/22/25

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.
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: 7/22/25

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



Project Name: Dagger Lake North TB
Workorder: E507129
Date Received: 7/14/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/14/2025 7:30:00AM, under the Project Name: Dagger Lake North TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake North 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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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/22/25 14:55
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04-0'	E507129-01A	Soil	07/10/25	07/14/25	Glass Jar, 2 oz.
SS04-1'	E507129-02A	Soil	07/10/25	07/14/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/22/2025 2:55:26PM

SS04-0'

E507129-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2529061
Benzene	ND	0.0250	1	07/15/25	07/18/25	
Ethylbenzene	ND	0.0250	1	07/15/25	07/18/25	
Toluene	ND	0.0250	1	07/15/25	07/18/25	
o-Xylene	ND	0.0250	1	07/15/25	07/18/25	
p,m-Xylene	ND	0.0500	1	07/15/25	07/18/25	
Total Xylenes	ND	0.0250	1	07/15/25	07/18/25	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	07/15/25	07/18/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	07/15/25	07/18/25	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2529061
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/18/25	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	07/15/25	07/18/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	07/15/25	07/18/25	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2529069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/17/25	
<i>Surrogate: n-Nonane</i>		94.5 %	61-141	07/15/25	07/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2529109
Chloride	197	20.0	1	07/16/25	07/17/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/22/2025 2:55:26PM

SS04-1'

E507129-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2529061
Benzene	ND	0.0250	1	07/15/25	07/18/25	
Ethylbenzene	ND	0.0250	1	07/15/25	07/18/25	
Toluene	ND	0.0250	1	07/15/25	07/18/25	
o-Xylene	ND	0.0250	1	07/15/25	07/18/25	
p,m-Xylene	ND	0.0500	1	07/15/25	07/18/25	
Total Xylenes	ND	0.0250	1	07/15/25	07/18/25	
Surrogate: Bromofluorobenzene		102 %	70-130	07/15/25	07/18/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	07/15/25	07/18/25	
Surrogate: Toluene-d8		99.8 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2529061
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/25	07/18/25	
Surrogate: Bromofluorobenzene		102 %	70-130	07/15/25	07/18/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	07/15/25	07/18/25	
Surrogate: Toluene-d8		99.8 %	70-130	07/15/25	07/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2529069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/17/25	
Surrogate: n-Nonane		93.2 %	61-141	07/15/25	07/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2529109
Chloride	370	20.0	1	07/16/25	07/17/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/22/2025 2:55:26PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

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

Blank (2529061-BLK1)

Prepared: 07/15/25 Analyzed: 07/18/25

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: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2529061-BS1)

Prepared: 07/15/25 Analyzed: 07/18/25

Benzene	2.43	0.0250	2.50		97.2	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.7	70-130			
Toluene	2.48	0.0250	2.50		99.1	70-130			
o-Xylene	2.34	0.0250	2.50		93.7	70-130			
p,m-Xylene	4.75	0.0500	5.00		95.0	70-130			
Total Xylenes	7.09	0.0250	7.50		94.6	70-130			
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

Matrix Spike (2529061-MS1)

Source: E507129-01

Prepared: 07/15/25 Analyzed: 07/18/25

Benzene	2.49	0.0250	2.50	ND	99.5	48-131			
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135			
Toluene	2.50	0.0250	2.50	ND	100	48-130			
o-Xylene	2.41	0.0250	2.50	ND	96.2	43-135			
p,m-Xylene	4.86	0.0500	5.00	ND	97.1	43-135			
Total Xylenes	7.26	0.0250	7.50	ND	96.8	43-135			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.536		0.500		107	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike Dup (2529061-MSD1)

Source: E507129-01

Prepared: 07/15/25 Analyzed: 07/18/25

Benzene	2.52	0.0250	2.50	ND	101	48-131	1.26	23	
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135	2.00	27	
Toluene	2.54	0.0250	2.50	ND	102	48-130	1.66	24	
o-Xylene	2.52	0.0250	2.50	ND	101	43-135	4.85	27	
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135	4.95	27	
Total Xylenes	7.63	0.0250	7.50	ND	102	43-135	4.92	27	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.533		0.500		107	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/22/2025 2:55:26PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2529061-BLK1)

Prepared: 07/15/25 Analyzed: 07/18/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2529061-BS2)

Prepared: 07/15/25 Analyzed: 07/18/25

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

Matrix Spike (2529061-MS2)

Source: E507129-01

Prepared: 07/15/25 Analyzed: 07/18/25

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike Dup (2529061-MSD2)

Source: E507129-01

Prepared: 07/15/25 Analyzed: 07/18/25

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	3.92	20	
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.530		0.500		106	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/22/2025 2:55:26PM

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 (2529069-BLK1)					Prepared: 07/15/25 Analyzed: 07/16/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.9		50.0		93.8	61-141			

LCS (2529069-BS1)					Prepared: 07/15/25 Analyzed: 07/16/25				
Diesel Range Organics (C10-C28)	245	25.0	250		97.8	66-144			
Surrogate: n-Nonane	45.5		50.0		90.9	61-141			

Matrix Spike (2529069-MS1)					Source: E507120-13		Prepared: 07/15/25 Analyzed: 07/16/25		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	47.7		50.0		95.5	61-141			

Matrix Spike Dup (2529069-MSD1)					Source: E507120-13		Prepared: 07/15/25 Analyzed: 07/16/25		
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156	0.844	20	
Surrogate: n-Nonane	45.1		50.0		90.2	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/22/2025 2:55:26PM
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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 (2529109-BLK1)					Prepared: 07/16/25 Analyzed: 07/17/25				
Chloride	ND	20.0							
LCS (2529109-BS1)					Prepared: 07/16/25 Analyzed: 07/17/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2529109-MS1)					Source: E507133-02		Prepared: 07/16/25 Analyzed: 07/17/25		
Chloride	309	20.0	250	57.7	101	80-120			
Matrix Spike Dup (2529109-MSD1)					Source: E507133-02		Prepared: 07/16/25 Analyzed: 07/17/25		
Chloride	308	20.0	250	57.7	100	80-120	0.373	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:	Dagger Lake North TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/22/25 14:55

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.



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: 7/14/2025 11:54:38AM

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:	07/14/25 07:30	Work Order ID:	E507129
Phone:	(972) 371-5200	Date Logged In:	07/11/25 16:43	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/21/25 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake North TB

Work Order: E509035

Job Number: 23003-0002

Received: 9/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/11/25

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



Project Name: Dagger Lake North TB
Workorder: E509035
Date Received: 9/5/2025 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2025 8:30:00AM, under the Project Name: Dagger Lake North TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake North 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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Cell: 775-287-1762
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 09/11/25 08:21
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05-0'	E509035-01A	Soil	09/03/25	09/05/25	Glass Jar, 2 oz.
SS05-1'	E509035-02A	Soil	09/03/25	09/05/25	Glass Jar, 2 oz.
SS06-0'	E509035-03A	Soil	09/03/25	09/05/25	Glass Jar, 2 oz.
SS06-1'	E509035-04A	Soil	09/03/25	09/05/25	Glass Jar, 2 oz.
SS07-0'	E509035-05A	Soil	09/03/25	09/05/25	Glass Jar, 2 oz.
SS07-1'	E509035-06A	Soil	09/03/25	09/05/25	Glass Jar, 2 oz.
SS08-0'	E509035-07A	Soil	09/03/25	09/05/25	Glass Jar, 2 oz.
SS08-1'	E509035-08A	Soil	09/03/25	09/05/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/11/2025 8:21:56AM
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SS05-0'

E509035-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2537005	
Diesel Range Organics (C10-C28)	61.8	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	146	50.0	1	09/08/25	09/08/25	
<i>Surrogate: n-Nonane</i>		94.1 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2536094	
Chloride	ND	20.0	1	09/05/25	09/05/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/11/2025 8:21:56AM

SS05-1'

E509035-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/25	09/08/25	
<i>Surrogate: n-Nonane</i>						
		95.1 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2536094	
Chloride	ND	20.0	1	09/05/25	09/05/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/11/2025 8:21:56AM

SS06-0'

E509035-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.3 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2537005	
Diesel Range Organics (C10-C28)	48.8	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	263	50.0	1	09/08/25	09/08/25	
<i>Surrogate: n-Nonane</i>		93.8 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2536094	
Chloride	105	20.0	1	09/05/25	09/05/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/11/2025 8:21:56AM

SS06-1'

E509035-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2537005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/25	09/08/25	
<i>Surrogate: n-Nonane</i>		97.2 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2536094	
Chloride	221	20.0	1	09/05/25	09/06/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/11/2025 8:21:56AM

SS07-0'

E509035-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537005	
Diesel Range Organics (C10-C28)	34.4	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	86.8	50.0	1	09/08/25	09/08/25	
<i>Surrogate: n-Nonane</i>						
		95.4 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2536094	
Chloride	ND	20.0	1	09/05/25	09/06/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/11/2025 8:21:56AM

SS07-1'

E509035-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537005	
Diesel Range Organics (C10-C28)	53.7	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	70.7	50.0	1	09/08/25	09/08/25	
<i>Surrogate: n-Nonane</i>						
		96.3 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2536094	
Chloride	ND	20.0	1	09/05/25	09/06/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/11/2025 8:21:56AM

SS08-0'

E509035-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.9 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537005	
Diesel Range Organics (C10-C28)	226	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	304	50.0	1	09/08/25	09/08/25	
<i>Surrogate: n-Nonane</i>						
		98.6 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2536094	
Chloride	ND	20.0	1	09/05/25	09/06/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/11/2025 8:21:56AM

SS08-1'

E509035-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2536077	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.5 %	70-130	09/05/25	09/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/25	09/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/25	09/08/25	
<i>Surrogate: n-Nonane</i>						
		97.0 %	61-141	09/08/25	09/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2536094	
Chloride	ND	20.0	1	09/05/25	09/06/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/11/2025 8:21:56AM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2536077-BLK1)Prepared: 09/05/25 Analyzed: 09/07/25

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	8.77		8.00		110	70-130			

LCS (2536077-BS1)Prepared: 09/05/25 Analyzed: 09/07/25

Benzene	4.63	0.0250	5.00		92.5	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.60	0.0250	5.00		92.0	70-130			
o-Xylene	4.68	0.0250	5.00		93.5	70-130			
p,m-Xylene	9.33	0.0500	10.0		93.3	70-130			
Total Xylenes	14.0	0.0250	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.73		8.00		109	70-130			

Matrix Spike (2536077-MS1)Source: E509028-01Prepared: 09/05/25 Analyzed: 09/07/25

Benzene	4.65	0.0250	5.00	ND	93.0	70-130			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	70-130			
Toluene	4.63	0.0250	5.00	ND	92.5	70-130			
o-Xylene	4.71	0.0250	5.00	ND	94.2	70-130			
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	94.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.91		8.00		111	70-130			

Matrix Spike Dup (2536077-MSD1)Source: E509028-01Prepared: 09/05/25 Analyzed: 09/07/25

Benzene	4.81	0.0250	5.00	ND	96.2	70-130	3.41	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.2	70-130	3.61	26	
Toluene	4.78	0.0250	5.00	ND	95.7	70-130	3.34	20	
o-Xylene	4.88	0.0250	5.00	ND	97.6	70-130	3.51	25	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	70-130	3.48	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.4	70-130	3.49	26	
Surrogate: 4-Bromochlorobenzene-PID	8.82		8.00		110	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/11/2025 8:21:56AM

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 (2536077-BLK1)

Prepared: 09/05/25 Analyzed: 09/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.7	70-130			

LCS (2536077-BS2)

Prepared: 09/05/25 Analyzed: 09/07/25

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.4	70-130			

Matrix Spike (2536077-MS2)

Source: E509028-01

Prepared: 09/05/25 Analyzed: 09/07/25

Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

Matrix Spike Dup (2536077-MSD2)

Source: E509028-01

Prepared: 09/05/25 Analyzed: 09/07/25

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	1.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/11/2025 8:21:56AM

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 (2537005-BLK1)					Prepared: 09/08/25 Analyzed: 09/08/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.7		50.0		87.4	61-141			

LCS (2537005-BS1)					Prepared: 09/08/25 Analyzed: 09/08/25				
Diesel Range Organics (C10-C28)	244	25.0	250		97.7	66-144			
Surrogate: n-Nonane	45.0		50.0		90.0	61-141			

Matrix Spike (2537005-MS1)					Source: E509036-04		Prepared: 09/08/25 Analyzed: 09/08/25		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	46.8		50.0		93.6	61-141			

Matrix Spike Dup (2537005-MSD1)					Source: E509036-04		Prepared: 09/08/25 Analyzed: 09/08/25		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	56-156	1.70	20	
Surrogate: n-Nonane	47.8		50.0		95.5	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/11/2025 8:21:56AM
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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 (2536094-BLK1)					Prepared: 09/05/25 Analyzed: 09/05/25				
Chloride	ND	20.0							
LCS (2536094-BS1)					Prepared: 09/05/25 Analyzed: 09/05/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2536094-MS1)					Source: E509036-02		Prepared: 09/05/25 Analyzed: 09/05/25		
Chloride	322	20.0	250	53.5	107	80-120			
Matrix Spike Dup (2536094-MSD1)					Source: E509036-02		Prepared: 09/05/25 Analyzed: 09/05/25		
Chloride	315	20.0	250	53.5	105	80-120	2.00	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:	Dagger Lake North TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/11/25 08:21

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Dagger Lake North TB				Address: 3122 National Parks Hwy				E509035		2303-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
9:31	9/3/2025	Soil	1	SS05 - 0'		1								X					
9:35	9/3/2025	Soil	1	SS05 - 1'		2								X					
9:36	9/3/2025	Soil	1	SS06 - 0'		3								X					
9:40	9/3/2025	Soil	1	SS06 - 1'		4								X					
9:43	9/3/2025	Soil	1	SS07 - 0'		5								X					
9:46	9/3/2025	Soil	1	SS07 - 1'		6								X					
9:48	9/3/2025	Soil	1	SS08 - 0'		7								X					
9:51	9/3/2025	Soil	1	SS08 - 1'		8								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N							
Michelle Gonzales		9/4/25		7:11		Michelle Gonzales		9-4-25		0711									
Michelle Gonzales		9-4-25		1445		Marissa Gonzales		9-4-25		1445									
Marissa Gonzales		9-4-25		1820		Andrew Musso		9-4-25		1820									
Andrew Musso		9-4-25		2330		Cuth Mon		9-5-25		830									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 9/5/2025 9:57:16AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/05/25 08:30	Work Order ID:	E509035
Phone:	(972) 371-5200	Date Logged In:	09/04/25 16:01	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	09/11/25 07:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

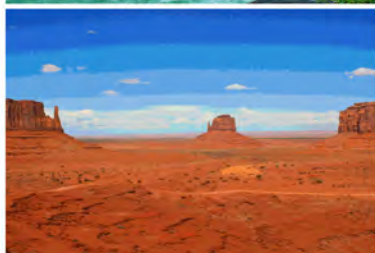
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake North TB

Work Order: E507116

Job Number: 23003-0002

Received: 7/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/21/25

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: 7/21/25

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



Project Name: Dagger Lake North TB
Workorder: E507116
Date Received: 7/12/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/12/2025 6:00:00AM, under the Project Name: Dagger Lake North TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake North 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,

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/21/25 16:25
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E507116-01A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH01-2'	E507116-02A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH02-0'	E507116-03A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH02-1'	E507116-04A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH03-0'	E507116-05A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH03-1'	E507116-06A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH04-0'	E507116-07A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.
BH04-1'	E507116-08A	Soil	07/10/25	07/12/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/21/2025 4:25:41PM
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BH01-0'

E507116-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Benzene	ND	0.0250	1	07/14/25	07/17/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/17/25	
Toluene	ND	0.0250	1	07/14/25	07/17/25	
o-Xylene	ND	0.0250	1	07/14/25	07/17/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/17/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/17/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.0 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.9 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2529033	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/16/25	
<i>Surrogate: n-Nonane</i>	89.5 %	61-141		07/15/25	07/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2529024	
Chloride	ND	20.0	1	07/14/25	07/15/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/21/2025 4:25:41PM

BH01-2'

E507116-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Benzene	ND	0.0250	1	07/14/25	07/17/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/17/25	
Toluene	ND	0.0250	1	07/14/25	07/17/25	
o-Xylene	ND	0.0250	1	07/14/25	07/17/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/17/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/17/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.8 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2529033	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/16/25	
<i>Surrogate: n-Nonane</i>						
	91.4 %	61-141		07/15/25	07/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2529024	
Chloride	24.9	20.0	1	07/14/25	07/15/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/21/2025 4:25:41PM

BH02-0'

E507116-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Benzene	ND	0.0250	1	07/14/25	07/17/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/17/25	
Toluene	ND	0.0250	1	07/14/25	07/17/25	
o-Xylene	ND	0.0250	1	07/14/25	07/17/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/17/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/17/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2529033	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/16/25	
<i>Surrogate: n-Nonane</i>						
	93.8 %	61-141		07/15/25	07/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2529024	
Chloride	40.2	20.0	1	07/14/25	07/15/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/21/2025 4:25:41PM

BH02-1'

E507116-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Benzene	ND	0.0250	1	07/14/25	07/17/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/17/25	
Toluene	ND	0.0250	1	07/14/25	07/17/25	
o-Xylene	ND	0.0250	1	07/14/25	07/17/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/17/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/17/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2529033	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/16/25	
<i>Surrogate: n-Nonane</i>						
	94.2 %	61-141		07/15/25	07/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2529024	
Chloride	76.6	20.0	1	07/14/25	07/15/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/21/2025 4:25:41PM

BH03-0'

E507116-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2529010
Benzene	ND	0.0250	1	07/14/25	07/17/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/17/25	
Toluene	ND	0.0250	1	07/14/25	07/17/25	
o-Xylene	ND	0.0250	1	07/14/25	07/17/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/17/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/17/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2529010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2529033
Diesel Range Organics (C10-C28)	619	25.0	1	07/15/25	07/16/25	
Oil Range Organics (C28-C36)	282	50.0	1	07/15/25	07/16/25	
<i>Surrogate: n-Nonane</i>						
	96.8 %	61-141		07/15/25	07/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2529024
Chloride	ND	20.0	1	07/14/25	07/15/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/21/2025 4:25:41PM

BH03-1'

E507116-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2529010
Benzene	ND	0.0250	1	07/14/25	07/17/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/17/25	
Toluene	ND	0.0250	1	07/14/25	07/17/25	
o-Xylene	ND	0.0250	1	07/14/25	07/17/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/17/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/17/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2529010
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: RAS		Batch: 2529033
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/16/25	
<i>Surrogate: n-Nonane</i>		94.8 %	61-141	07/15/25	07/16/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2529024
Chloride	51.7	20.0	1	07/14/25	07/15/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/21/2025 4:25:41PM

BH04-0'

E507116-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Benzene	ND	0.0250	1	07/14/25	07/17/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/17/25	
Toluene	ND	0.0250	1	07/14/25	07/17/25	
o-Xylene	ND	0.0250	1	07/14/25	07/17/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/17/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/17/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.9 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2529033	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/16/25	
<i>Surrogate: n-Nonane</i>						
	92.3 %	61-141		07/15/25	07/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2529024	
Chloride	ND	20.0	1	07/14/25	07/15/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/21/2025 4:25:41PM

BH04-1'

E507116-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Benzene	ND	0.0250	1	07/14/25	07/17/25	
Ethylbenzene	ND	0.0250	1	07/14/25	07/17/25	
Toluene	ND	0.0250	1	07/14/25	07/17/25	
o-Xylene	ND	0.0250	1	07/14/25	07/17/25	
p,m-Xylene	ND	0.0500	1	07/14/25	07/17/25	
Total Xylenes	ND	0.0250	1	07/14/25	07/17/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2529010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/25	07/17/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		07/14/25	07/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2529033	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/25	07/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/25	07/16/25	
<i>Surrogate: n-Nonane</i>						
	94.1 %	61-141		07/15/25	07/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2529024	
Chloride	ND	20.0	1	07/14/25	07/15/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2025 4:25:41PM

Volatile Organics by EPA 8021B

Analyst: RKS

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 (2529010-BLK1)

Prepared: 07/14/25 Analyzed: 07/16/25

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	7.68		8.00		96.0	70-130			

LCS (2529010-BS1)

Prepared: 07/14/25 Analyzed: 07/16/25

Benzene	5.36	0.0250	5.00		107	70-130			
Ethylbenzene	5.35	0.0250	5.00		107	70-130			
Toluene	5.37	0.0250	5.00		107	70-130			
o-Xylene	5.38	0.0250	5.00		108	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

Matrix Spike (2529010-MS1)

Source: E507115-03

Prepared: 07/14/25 Analyzed: 07/17/25

Benzene	5.21	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.20	0.0250	5.00	ND	104	70-130			
Toluene	5.22	0.0250	5.00	ND	104	70-130			
o-Xylene	5.22	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			

Matrix Spike Dup (2529010-MSD1)

Source: E507115-03

Prepared: 07/14/25 Analyzed: 07/17/25

Benzene	5.48	0.0250	5.00	ND	110	70-130	5.04	27	
Ethylbenzene	5.48	0.0250	5.00	ND	110	70-130	5.30	26	
Toluene	5.49	0.0250	5.00	ND	110	70-130	5.11	20	
o-Xylene	5.50	0.0250	5.00	ND	110	70-130	5.12	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	5.25	23	
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130	5.20	26	
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2025 4:25:41PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2529010-BLK1) Prepared: 07/14/25 Analyzed: 07/16/25

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

LCS (2529010-BS2) Prepared: 07/14/25 Analyzed: 07/16/25

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.01		8.00		100	70-130			

Matrix Spike (2529010-MS2) Source: E507115-03 Prepared: 07/14/25 Analyzed: 07/17/25

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			

Matrix Spike Dup (2529010-MSD2) Source: E507115-03 Prepared: 07/14/25 Analyzed: 07/17/25

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.5	70-130	2.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/21/2025 4:25:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

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 (2529033-BLK1)					Prepared: 07/15/25 Analyzed: 07/15/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.6		50.0		91.2	61-141			

LCS (2529033-BS1)					Prepared: 07/15/25 Analyzed: 07/15/25				
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	45.1		50.0		90.3	61-141			

Matrix Spike (2529033-MS1)					Source: E507100-12		Prepared: 07/15/25 Analyzed: 07/15/25		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	47.2		50.0		94.4	61-141			

Matrix Spike Dup (2529033-MSD1)					Source: E507100-12		Prepared: 07/15/25 Analyzed: 07/15/25		
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156	1.01	20	
Surrogate: n-Nonane	47.8		50.0		95.6	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/21/2025 4:25:41PM
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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 (2529024-BLK1)				Prepared: 07/14/25 Analyzed: 07/15/25					
Chloride	ND	20.0							
LCS (2529024-BS1)				Prepared: 07/14/25 Analyzed: 07/15/25					
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2529024-MS1)				Source: E507115-04		Prepared: 07/14/25 Analyzed: 07/15/25			
Chloride	437	20.0	250	174	105	80-120			
Matrix Spike Dup (2529024-MSD1)				Source: E507115-04		Prepared: 07/14/25 Analyzed: 07/15/25			
Chloride	467	20.0	250	174	117	80-120	6.61	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:	Dagger Lake North TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/21/25 16:25

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Dagger Lake North TB				Address: 3122 National Parks Hwy		E507116	23003-0002				X	x							
Project Manager: Ashley Giovento				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovento@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovento@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/ORO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1220	7/10/25	S	1	BH01-0'		1								X					
1229				BH01-2'		2													
1319				BH02-0'		3													
1322				BH02-1'		4													
1404				BH03-0'		5													
1412				BH03-1'		6													
1453				BH04-0'		7													
1457				BH04-1'		8													
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, usantillana@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Uriel Santillana																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ N													
<i>U. Santillana</i>	7/11/25	0900	<i>Michelle Gonzales</i>	7-11-25	0900														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>Michelle Gonzales</i>	7-11-25	1910	<i>L.M.</i>	7.11.25	1910														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>L.M.</i>	7.12.25	0200	<i>Na Soto</i>	7-12-25	0600														
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: 7/14/2025 8:57:11AM

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:	07/12/25 06:00	Work Order ID:	E507116
Phone:	(972) 371-5200	Date Logged In:	07/11/25 15:43	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/21/25 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake North TB

Work Order: E509059

Job Number: 23003-0002

Received: 9/9/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/15/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/15/25



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

Project Name: Dagger Lake North TB
Workorder: E509059
Date Received: 9/9/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/9/2025 7:15:00AM, under the Project Name: Dagger Lake North TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake North 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

Raina Schwanz
Laboratory Administrator
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rainaschwanz@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Dagger Lake North TB

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

09/15/25 09:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0'	E509059-01A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS02-0'	E509059-02A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS03-0'	E509059-03A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS04-0'	E509059-04A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS05-0'	E509059-05A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS06-0'	E509059-06A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS07-0'	E509059-07A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS08-0'	E509059-08A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS09-0'	E509059-09A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS10-0'	E509059-10A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS11-0'	E509059-11A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS12-0'	E509059-12A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS13-0'	E509059-13A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS14-0'	E509059-14A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS15-0'	E509059-15A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS16-0'	E509059-16A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS17-0'	E509059-17A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS18-0'	E509059-18A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS19-0'	E509059-19A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS20-0'	E509059-20A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS21-0'	E509059-21A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS22-0'	E509059-22A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS23-0'	E509059-23A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS24-0'	E509059-24A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.
FS25-0'	E509059-25A	Soil	09/06/25	09/09/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS01-0'

E509059-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2537028	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>		98.2 %	61-141	09/09/25	09/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	2480	40.0	2	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS02-0'

E509059-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537028	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	94.5 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	1520	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS03-0'

E509059-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537028	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	91.5 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	29.2	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS04-0'

E509059-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2537025
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2537025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2537028
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/25	09/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/25	09/10/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		09/09/25	09/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2537036
Chloride	45.5	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS05-0'

E509059-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.0 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	105 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2537028	
Diesel Range Organics (C10-C28)	41.8	25.0	1	09/09/25	09/10/25	
Oil Range Organics (C28-C36)	61.6	50.0	1	09/09/25	09/10/25	
<i>Surrogate: n-Nonane</i>	92.1 %	61-141		09/09/25	09/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	61.0	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS06-0'

E509059-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537028	
Diesel Range Organics (C10-C28)	53.9	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	93.1	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	89.5 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	363	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS07-0'

E509059-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537028	
Diesel Range Organics (C10-C28)	91.0	25.0	1	09/09/25	09/10/25	
Oil Range Organics (C28-C36)	132	50.0	1	09/09/25	09/10/25	
<i>Surrogate: n-Nonane</i>						
	94.8 %	61-141		09/09/25	09/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	ND	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS08-0'

E509059-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2537025
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2537025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2537028
Diesel Range Organics (C10-C28)	207	25.0	1	09/09/25	09/10/25	
Oil Range Organics (C28-C36)	257	50.0	1	09/09/25	09/10/25	
<i>Surrogate: n-Nonane</i>						
	97.8 %	61-141		09/09/25	09/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2537036
Chloride	89.9	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS09-0'

E509059-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537028	
Diesel Range Organics (C10-C28)	68.6	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	108	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	94.4 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	ND	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS10-0'

E509059-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537028	
Diesel Range Organics (C10-C28)	174	25.0	1	09/09/25	09/10/25	
Oil Range Organics (C28-C36)	218	50.0	1	09/09/25	09/10/25	
<i>Surrogate: n-Nonane</i>						
	95.0 %	61-141		09/09/25	09/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	ND	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS11-0'

E509059-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2537025
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2537025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2537028
Diesel Range Organics (C10-C28)	56.2	25.0	1	09/09/25	09/10/25	
Oil Range Organics (C28-C36)	88.5	50.0	1	09/09/25	09/10/25	
<i>Surrogate: n-Nonane</i>						
	93.2 %	61-141		09/09/25	09/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2537036
Chloride	817	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS12-0'

E509059-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2537028	
Diesel Range Organics (C10-C28)	170	25.0	1	09/09/25	09/10/25	
Oil Range Organics (C28-C36)	248	50.0	1	09/09/25	09/10/25	
<i>Surrogate: n-Nonane</i>						
	94.2 %	61-141		09/09/25	09/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	926	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS13-0'

E509059-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2537025
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2537025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2537028
Diesel Range Organics (C10-C28)	94.2	25.0	1	09/09/25	09/10/25	
Oil Range Organics (C28-C36)	166	50.0	1	09/09/25	09/10/25	
<i>Surrogate: n-Nonane</i>						
	93.9 %	61-141		09/09/25	09/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2537036
Chloride	741	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS14-0'

E509059-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537028	
Diesel Range Organics (C10-C28)	31.8	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	65.2	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	96.4 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	ND	20.0	1	09/09/25	09/10/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS15-0'

E509059-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537028	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	96.7 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	ND	20.0	1	09/09/25	09/10/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS16-0'

E509059-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537028	
Diesel Range Organics (C10-C28)	109	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	141	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	93.3 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	119	20.0	1	09/09/25	09/10/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS17-0'

E509059-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	0.0683	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	0.0788	0.0500	1	09/09/25	09/09/25	
Total Xylenes	0.147	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537028	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
		95.6 %	61-141	09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	164	20.0	1	09/09/25	09/10/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS18-0'

E509059-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.0 %	70-130	09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537028	
Diesel Range Organics (C10-C28)	78.6	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	105	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
		92.6 %	61-141	09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	941	20.0	1	09/09/25	09/10/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS19-0'

E509059-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537028	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	94.6 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	83.8	20.0	1	09/09/25	09/10/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS20-0'

E509059-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537028	
Diesel Range Organics (C10-C28)	149	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	231	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	96.3 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537036	
Chloride	ND	20.0	1	09/09/25	09/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/15/2025 9:00:01AM
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FS21-0'

E509059-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.6 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537026	
Diesel Range Organics (C10-C28)	60.0	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	84.5	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	97.8 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537030	
Chloride	ND	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS22-0'

E509059-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.6 %	70-130	09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2537026	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>		99.0 %	61-141	09/09/25	09/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2537030	
Chloride	1470	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS23-0'

E509059-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537026	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537030	
Chloride	466	20.0	1	09/09/25	09/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/15/2025 9:00:01AM
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FS24-0'

E509059-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
Surrogate: 4-Bromochlorobenzene-PID	99.4 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.2 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2537026	
Diesel Range Organics (C10-C28)	34.2	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/25	09/09/25	
Surrogate: n-Nonane	98.4 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2537030	
Chloride	1220	20.0	1	09/09/25	09/09/25	



Sample Data

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

Project Name: Dagger Lake North TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
9/15/2025 9:00:01AM

FS25-0'

E509059-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Benzene	ND	0.0250	1	09/09/25	09/09/25	
Ethylbenzene	ND	0.0250	1	09/09/25	09/09/25	
Toluene	ND	0.0250	1	09/09/25	09/09/25	
o-Xylene	ND	0.0250	1	09/09/25	09/09/25	
p,m-Xylene	ND	0.0500	1	09/09/25	09/09/25	
Total Xylenes	ND	0.0250	1	09/09/25	09/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2537029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/25	09/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		09/09/25	09/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2537026	
Diesel Range Organics (C10-C28)	145	25.0	1	09/09/25	09/09/25	
Oil Range Organics (C28-C36)	174	50.0	1	09/09/25	09/09/25	
<i>Surrogate: n-Nonane</i>						
	96.9 %	61-141		09/09/25	09/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2537030	
Chloride	49.8	20.0	1	09/09/25	09/09/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/15/2025 9:00:01AM

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 (2537025-BLK1)

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

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	7.49		8.00		93.6	70-130			

LCS (2537025-BS1)

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

Benzene	4.65	0.0250	5.00		93.1	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.7	70-130			
Toluene	4.66	0.0250	5.00		93.2	70-130			
o-Xylene	4.67	0.0250	5.00		93.5	70-130			
p,m-Xylene	9.42	0.0500	10.0		94.2	70-130			
Total Xylenes	14.1	0.0250	15.0		94.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

Matrix Spike (2537025-MS1)

Source: E509056-01

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

Benzene	5.05	0.0250	5.00	ND	101	70-130			
Ethylbenzene	5.01	0.0250	5.00	ND	100	70-130			
Toluene	5.05	0.0250	5.00	ND	101	70-130			
o-Xylene	5.03	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			

Matrix Spike Dup (2537025-MSD1)

Source: E509056-01

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

Benzene	5.24	0.0250	5.00	ND	105	70-130	3.76	27	
Ethylbenzene	5.20	0.0250	5.00	ND	104	70-130	3.73	26	
Toluene	5.24	0.0250	5.00	ND	105	70-130	3.64	20	
o-Xylene	5.21	0.0250	5.00	ND	104	70-130	3.45	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	3.65	23	
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130	3.58	26	
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/15/2025 9:00:01AM

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 (2537029-BLK1)

Prepared: 09/09/25 Analyzed: 09/10/25

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	8.10		8.00		101	70-130			

LCS (2537029-BS1)

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

Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.44	0.0250	5.00		109	70-130			
Toluene	5.43	0.0250	5.00		109	70-130			
o-Xylene	5.46	0.0250	5.00		109	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.4	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

Matrix Spike (2537029-MS1)

Source: E509059-20

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

Benzene	5.26	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.24	0.0250	5.00	ND	105	70-130			
Toluene	5.25	0.0250	5.00	ND	105	70-130			
o-Xylene	5.22	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			

Matrix Spike Dup (2537029-MSD1)

Source: E509059-20

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

Benzene	5.32	0.0250	5.00	ND	106	70-130	1.13	27	
Ethylbenzene	5.32	0.0250	5.00	ND	106	70-130	1.38	26	
Toluene	5.32	0.0250	5.00	ND	106	70-130	1.16	20	
o-Xylene	5.30	0.0250	5.00	ND	106	70-130	1.58	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	1.51	23	
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130	1.53	26	
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/15/2025 9:00:01AM

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 (2537025-BLK1) Prepared: 09/09/25 Analyzed: 09/09/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			

LCS (2537025-BS2) Prepared: 09/09/25 Analyzed: 09/09/25

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130			

Matrix Spike (2537025-MS2) Source: E509056-01 Prepared: 09/09/25 Analyzed: 09/09/25

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.46		8.00		106	70-130			

Matrix Spike Dup (2537025-MSD2) Source: E509056-01 Prepared: 09/09/25 Analyzed: 09/09/25

Gasoline Range Organics (C6-C10)	56.2	20.0	50.0	ND	112	70-130	13.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.30		8.00		104	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/15/2025 9:00:01AM

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 (2537029-BLK1) Prepared: 09/09/25 Analyzed: 09/10/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.7	70-130			

LCS (2537029-BS2) Prepared: 09/09/25 Analyzed: 09/09/25

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

Matrix Spike (2537029-MS2) Source: E509059-20 Prepared: 09/09/25 Analyzed: 09/09/25

Gasoline Range Organics (C6-C10)	58.9	20.0	50.0	ND	118	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.3	70-130			

Matrix Spike Dup (2537029-MSD2) Source: E509059-20 Prepared: 09/09/25 Analyzed: 09/09/25

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0	ND	116	70-130	1.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/15/2025 9:00:01AM

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 (2537026-BLK1)					Prepared: 09/09/25 Analyzed: 09/09/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.7	61-141			

LCS (2537026-BS1)					Prepared: 09/09/25 Analyzed: 09/09/25				
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	47.7		50.0		95.3	61-141			

Matrix Spike (2537026-MS1)					Source: E509059-23		Prepared: 09/09/25 Analyzed: 09/09/25		
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	50.8		50.0		102	61-141			

Matrix Spike Dup (2537026-MSD1)					Source: E509059-23		Prepared: 09/09/25 Analyzed: 09/09/25		
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	56-156	0.560	20	
Surrogate: n-Nonane	50.3		50.0		101	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake North TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/15/2025 9:00:01AM

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 (2537028-BLK1)					Prepared: 09/09/25 Analyzed: 09/09/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.9	61-141			

LCS (2537028-BS1)					Prepared: 09/09/25 Analyzed: 09/09/25				
Diesel Range Organics (C10-C28)	242	25.0	250		96.6	66-144			
Surrogate: n-Nonane	46.1		50.0		92.2	61-141			

Matrix Spike (2537028-MS1)					Source: E509059-01		Prepared: 09/09/25 Analyzed: 09/09/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	48.6		50.0		97.2	61-141			

Matrix Spike Dup (2537028-MSD1)					Source: E509059-01		Prepared: 09/09/25 Analyzed: 09/09/25		
Diesel Range Organics (C10-C28)	307	25.0	250	ND	123	56-156	6.85	20	
Surrogate: n-Nonane	49.6		50.0		99.1	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/15/2025 9:00:01AM
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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 (2537030-BLK1)					Prepared: 09/09/25 Analyzed: 09/09/25				
Chloride	ND	20.0							
LCS (2537030-BS1)					Prepared: 09/09/25 Analyzed: 09/09/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2537030-MS1)					Source: E509056-01		Prepared: 09/09/25 Analyzed: 09/09/25		
Chloride	357	20.0	250	93.4	105	80-120			
Matrix Spike Dup (2537030-MSD1)					Source: E509056-01		Prepared: 09/09/25 Analyzed: 09/09/25		
Chloride	350	20.0	250	93.4	102	80-120	2.12	20	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake North TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/15/2025 9:00:01AM
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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 (2537036-BLK1)					Prepared: 09/09/25 Analyzed: 09/09/25				
Chloride	ND	20.0							
LCS (2537036-BS1)					Prepared: 09/09/25 Analyzed: 09/09/25				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2537036-MS1)					Source: E509059-06		Prepared: 09/09/25 Analyzed: 09/09/25		
Chloride	618	20.0	250	363	102	80-120			
Matrix Spike Dup (2537036-MSD1)					Source: E509059-06		Prepared: 09/09/25 Analyzed: 09/09/25		
Chloride	624	20.0	250	363	105	80-120	0.992	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:	Dagger Lake North TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/15/25 09:00

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Lab Use Only				TAT				State											
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: DAGGER LAKE NORTH TB				Address: 3122 National Parks Hwy				E 509059		23003-0002					X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																			
Address: 3122 National Parks Hwy				Phone: 575-988-0055																			
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																			
Phone: 575-988-0055				Miscellaneous:																			
Email: agiovengo@ensolum.com																							
Sample Information																Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA				
0758	09/06/2025	S	1	FS01 - 0'			1								X		1.5						
0759	09/06/2025	S	1	FS02 - 0'			2								X		1.9						
0802	09/06/2025	S	1	FS03 - 0'			3								X		1.3						
0809	09/06/2025	S	1	FS04 - 0'			4								X		1.5						
0821	09/06/2025	S	1	FS05 - 0'			5								X		1.7						
0832	09/06/2025	S	1	FS06 - 0'			6								X		1.9						
0836	09/06/2025	S	1	FS07 - 0'			7								X		2.1						
0841	09/06/2025	S	1	FS08 - 0'			8								X		2.3						
0844	09/06/2025	S	1	FS09 - 0'			9								X		2.0						
0839	09/06/2025	S	1	FS10 - 0'			10								X		1.9						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: 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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: YY N															
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																
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.																							

Page 135 of 159

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: DAGGER LAKE NORTH TB				Address: 3122 National Parks Hwy		E 509059	23003-0002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCCQ 1005 - TX	RCRA 8 Metals	RGDOC - NM	RGDOC - TX	SDWA	CWA	RCRA
1102	09/06/2025	S	1	FS21 - 0'		21								X				
1058	09/06/2025	S	1	FS22 - 0'		22								X				
1118	09/06/2025	S	1	FS23 - 0'		23								X				
1419	09/06/2025	S	1	FS24 - 0'		24								X				
1056	09/06/2025	S	1	FS25 - 0'		25								X				
														X				
														X				
														X				
														X				
														X				
														X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: 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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ N										
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											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Envirotech Analytical Laboratory

Printed: 9/9/2025 1:08:28PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/09/25 07:15	Work Order ID:	E509059
Phone:	(972) 371-5200	Date Logged In:	09/08/25 15:17	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	09/15/25 07:00 (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

Client Remarks- 1 Day Rush TPH on samples 1,6,9, 14-25.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client 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 478206

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 478206
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Dagger Lake North TB
Date Release Discovered	06/23/2025
Surface Owner	State

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	Yes
Did this release result in any injuries	Yes
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: Fire Separator Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 478206

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 478206
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire; (c) may with reasonable probability endanger public health.
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	N/A

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 478206

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 478206
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 478206

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 478206
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/24/2025

Impacted Soil On-Pad	
Saturated Soil (inches)	
	2
Area (sq. ft.)	
	4,863
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
	0
Soil type	
	pad caliche
Spill type	
	oil/produced water
Barrel estimate in soil	
	19.2
Barrel estimate (standing fluids/ recovered+in soil)	
	19.2

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QUESTIONS

Action 480472

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 480472
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2517528592
Incident Name	NAPP2517528592 DAGGER LAKE NORTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Dagger Lake North TB
Date Release Discovered	06/23/2025
Surface Owner	State

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	Yes
Did this release result in any injuries	Yes
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: Fire Separator Crude Oil Released: 19 BBL Recovered: 0 BBL Lost: 19 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 480472

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 480472
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire; (c) may with reasonable probability endanger public health.
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	N/A

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: 07/01/2025
--	--

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QUESTIONS, Page 3

Action 480472

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 480472
	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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CONDITIONS

Action 480472

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 480472
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	7/15/2025

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QUESTIONS

Action 500360

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500360
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2517528592
Incident Name	NAPP2517528592 DAGGER LAKE NORTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Dagger Lake North TB
Date Release Discovered	06/23/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,865
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/03/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Israel Estrella @ (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.41875,-103.60167

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CONDITIONS

Action 500360

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500360
	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.	8/28/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/28/2025

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QUESTIONS

Action 502631

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 502631
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2517528592
Incident Name	NAPP2517528592 DAGGER LAKE NORTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Dagger Lake North TB
Date Release Discovered	06/23/2025
Surface Owner	State

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,865
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/06/2025
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	Israel Estrella @ (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.41875,-103.60167

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CONDITIONS

Action 502631

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 502631
	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.	9/4/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/4/2025

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QUESTIONS

Action 508085

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508085
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2517528592
Incident Name	NAPP2517528592 DAGGER LAKE NORTH TB @ L-05-22S-33E
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Dagger Lake North TB
Date Release Discovered	06/23/2025
Surface Owner	State

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	Yes
Did this release result in any injuries	Yes
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: Fire Separator Crude Oil Released: 19 BBL Recovered: 0 BBL Lost: 19 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 508085

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508085
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire; (c) may with reasonable probability endanger public health.
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	N/A

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/22/2025
--	--

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QUESTIONS, Page 3

Action 508085

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508085
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	2480
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	901
GRO+DRO (EPA SW-846 Method 8015M)	619
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	09/06/2025
On what date will (or did) the final sampling or liner inspection occur	09/06/2025
On what date will (or was) the remediation complete(d)	09/06/2025
What is the estimated surface area (in square feet) that will be reclaimed	1400
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3465
What is the estimated volume (in cubic yards) that will be remediated	0

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 508085

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508085
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(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)	Yes
Other Non-listed Remedial Process. Please specify	Excavation of the subject matter release was not warranted. All confirmation soil samples collected at ground surface from the release extent were in compliance with the Site closure criteria.
<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: 09/22/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 508085

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508085
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 508085

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508085
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	502631
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/06/2025
What was the (estimated) number of samples that were to be gathered	25
What was the sampling surface area in square feet	4865

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3465
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1400
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Excavation of the subject matter release was not warranted. All confirmation soil samples collected at ground surface from the release extent were in compliance with the Site closure criteria.

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/22/2025
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QUESTIONS, Page 7

Action 508085

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508085
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 508085

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 508085
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2517528592 Dagger Lake North TB, thank you. This Remediation Closure Report is approved.	9/25/2025