



September 8, 2025

New Mexico Oil Conservation Division

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

Re: Closure Request Denial Response
Closure Request dated July 23, 2025
Dagger Lake South TB
Incident Numbers nAPP2511739290
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request Denial Response* to the New Mexico Oil Conservation Division (NMOCD) in reference to the *Closure Request*, dated July 23, 2025, prepared by Ensolum for the above reference Site. Ensolum offers the following responses to the NMOCD comments:

1. ***On pg. 3, "Samples collected and submitted to Envirotech on June 6, 2025, under work order number E506063, were initially submitted as confirmation floor samples (FS84 through FS86). Due to the location of a compressor in the middle of the release footprint; these sample confirmation sample areas were removed from the sampling grid and renamed FS19, FS21, and FS39, respectively." Explain this so a reviewer better understands what happened; why were these samples already missing for instance? Was the compressor not located there previously, for example?***

During the initial stages of the excavation a sample grid was created to ensure samples were collected from areas measuring no greater than 400 square feet (sq ft) in size. These sample grids included the area that was occupied by a compressor and the accompanying concrete pad. Sampling activities began at the west side of the excavation with the first samples collected from areas initially labelled FS84, FS85, and FS86. As collection progressed east it was determined sample areas labelled FS19, FS 21, and FS39 could not be collected as they were occupied by the compressor and concrete pad. These sample areas were then removed from the total sample area. In order to maintain continuity in sample names, the samples collected from areas initially labeled as FS84, FS85, and FS86 were renamed FS19, FS21, and FS39, respectively.

2. ***As the Concrete Pad encircled by FS42, FS49, FS15 was not sampled, a hand auger sample should be collected on each side (North, South, East and West) to ensure no contamination went under this pad that requires a deferral, as BH03, collected ~10 feet south of this pad had the highest concentration of TPH at 38,395 mg/kg.***

On August 18, 2025, Ensolum personnel returned to the Site to collect soil samples from beneath the compressor pad. Utilizing a hand auger, boreholes BH08, BH09, BH10, and BH11 were

Matador Production Company
Dagger Lake South TB
Closure Request dated July 23, 2025



advanced in each cardinal direction, south, east, north and west, respectively, at an angle to determine potential impacts beneath the compressor pad. Soil from the delineation borehole samples BH08 through BH11 were field screened for total petroleum hydrocarbons (TPH) utilizing a calibrated PetroFLAG® soil analyzer system and chloride using Hach® chloride QuanTab® test strips. Two soil samples were collected from each borehole location, at 1-foot below ground surface (bgs) and 2 feet bgs for laboratory analysis. Soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): benzene, toluene, ethylbenzene, and total xylenes (BTEX) following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. The delineation soil sample locations are depicted on Figure 2. Photographs were taken during the soil sampling activities, and a photographic log is included in Appendix A. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B.

Laboratory analytical results for the delineation soil samples indicated all COCs were in compliance with the strictest Closure Criteria, confirming soil beneath the compressor pad had not been impacted, and the release extent has been fully laterally defined. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical report is included as Appendix C.

3. Include site diagrams that show all infrastructure on site, both surface and subsurface pursuant to 19.15.29.11.A.(1) NMAC. Submit updated remediation closure report to the OCD by 10/13/25.

On August 18, 2025, Ensolum personnel returned to the Site and mapped all surface and subsurface equipment present on pad. The attached Figure 2 and Figure 3 have been updated to include the on-Site infrastructure.

CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS11, collected at ground surface and 1-foot bgs, and vertically by boreholes BH01 through BH11, collected at depths up to 3 feet bgs. Excavation of impacted soil exceeding the applicable Site Closure Criteria was completed, and excavation floor samples FS01 through FS83, collected at depths ranging from ground surface to 1-foot bgs, and excavation sidewall samples SW01 and SW02, collected from ground surface to 1-foot bgs, were all in compliance with the applicable 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. Depth to groundwater was determined to be greater than 100 feet bgs, and all accessible impacted soil was removed during the excavation activities. Any gross impacts were removed via scraping of the ground surface and the complete lateral and vertical delineation has been achieved, Matador respectfully requests closure for Incident Number nAPP2511739290.

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



Matador Production Company
Dagger Lake South TB
Closure Request dated July 23, 2025



Sincerely,
Ensolum, LLC

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

Chad Hamilton
Project Geologist

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

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

cc: Jason Touchet, Matador Production Company

Attachments:

- | | |
|------------|--|
| Figure 1 | Site Receptor Map |
| Figure 2 | Delineation Soil Sample Locations |
| Figure 3 | Excavation Soil Sample Locations |
| | |
| Table 1 | Soil Sample Analytical Results (Delineation Soil Samples) |
| Table 2 | Soil Sample Analytical Results (Excavation Floor Soil Samples) |
| Table 3 | Soil Sample Analytical Results (Sidewall Soil Samples) |
| | |
| Appendix A | Photographic Log |
| Appendix B | Lithologic / Soil Sampling Logs |
| Appendix C | Laboratory Analytical Reports & Chain-of-Custody Documentation |
| Appendix D | Remediation Closure Request |



FIGURES

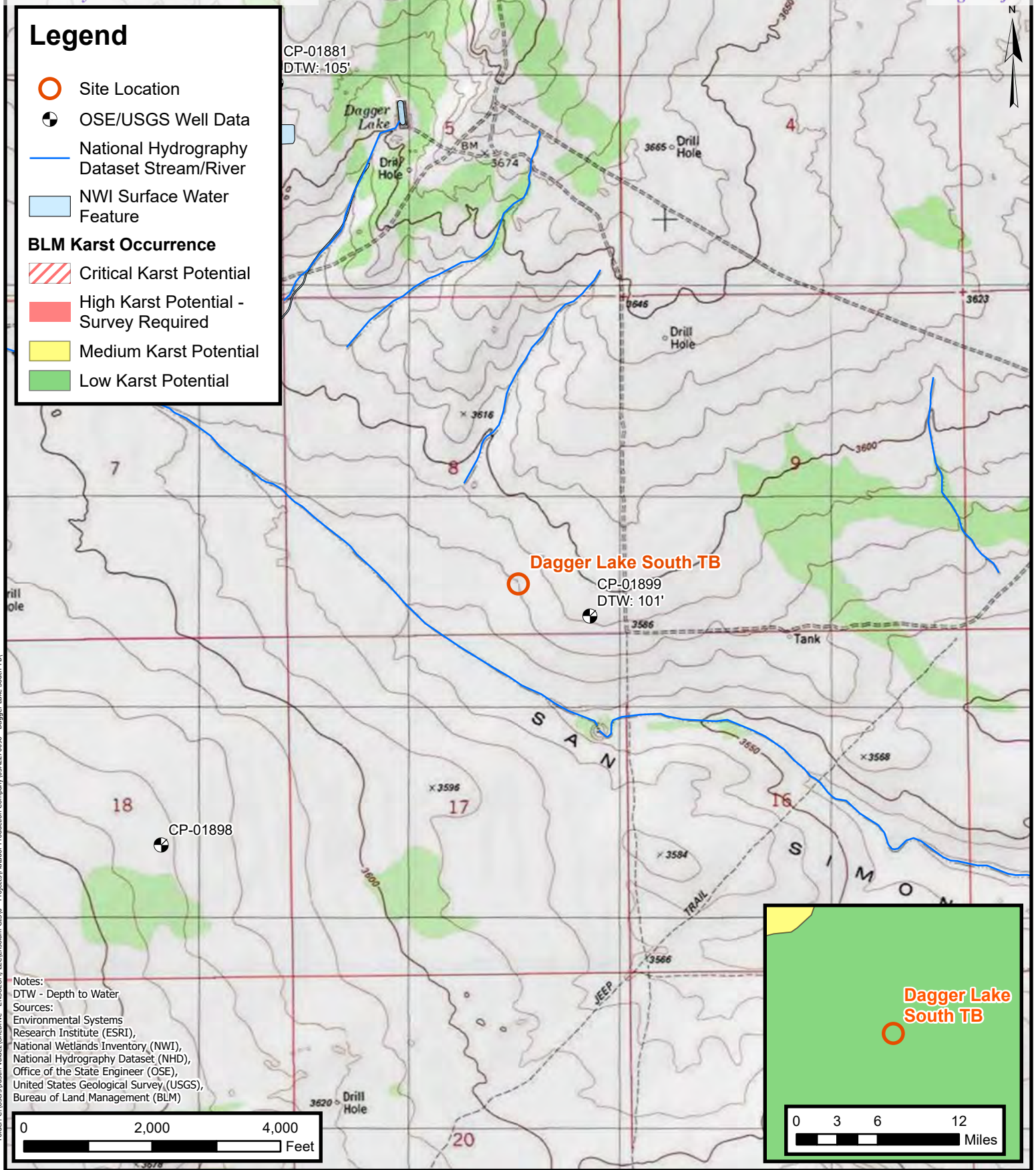
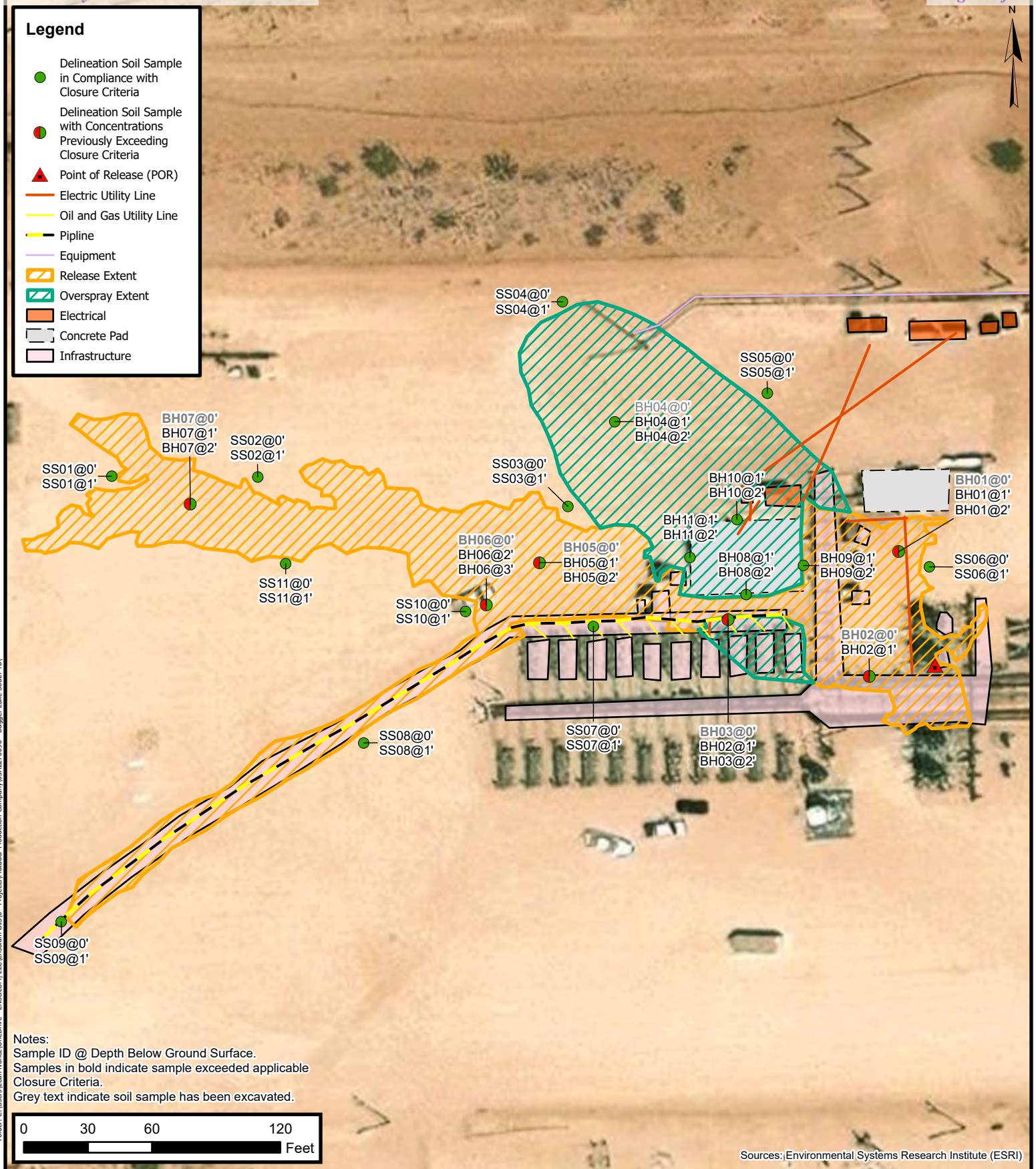


FIGURE 1



Delineation Soil Sample Locations

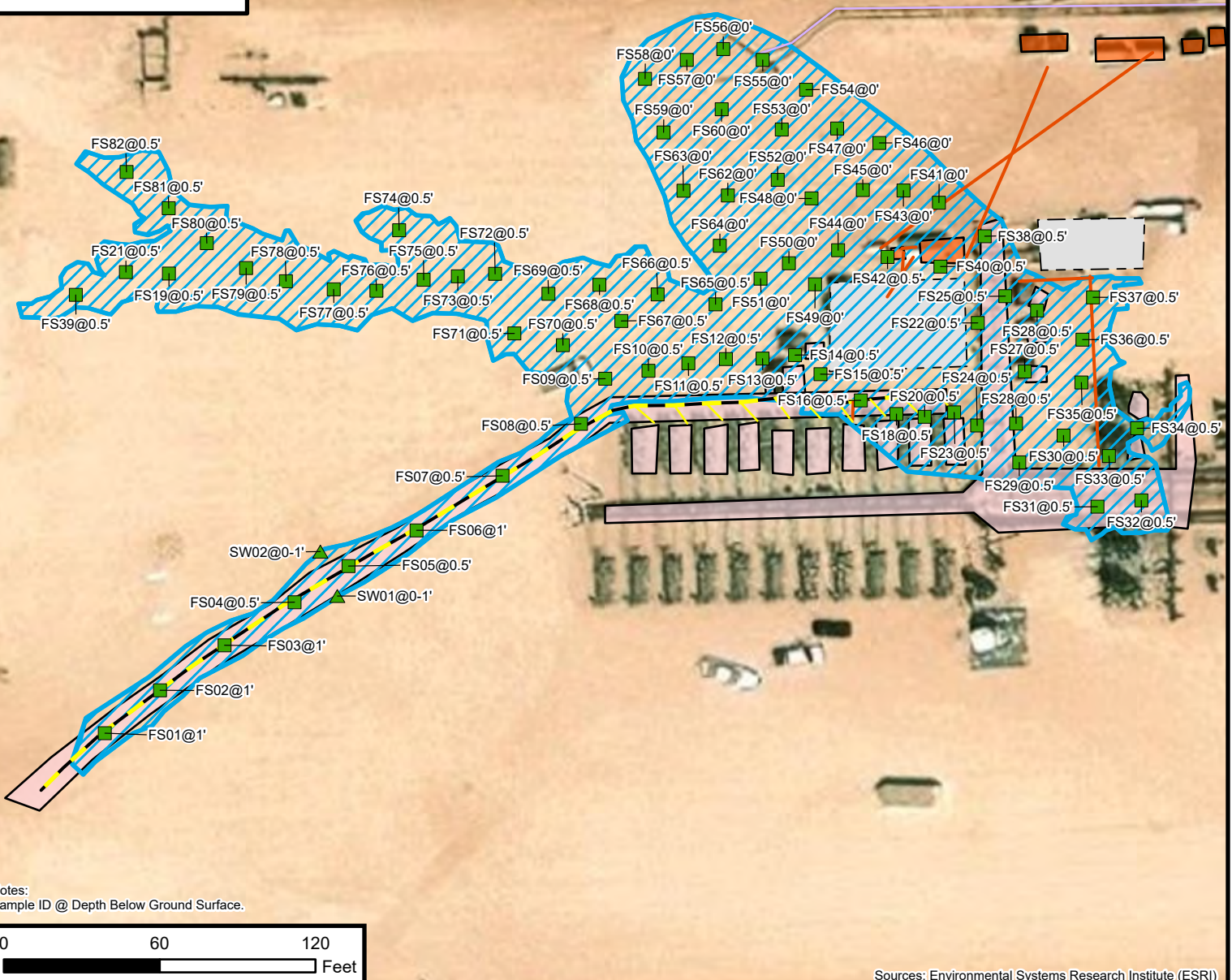
Matador Production Company
Dagger Lake South TB
Incident Number: nAPP2511739290
Unit O, Section 08, T 22S, R 33E
Lea County, New Mexico

FIGURE

2

Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- Pipeline
- Equipment
- Electric Utility Line
- Oil and Gas Utility Line
- ▨ Excavation Extent
- Electrical
- Concrete Pad
- Infrastructure

**Excavation Soil Sample Locations**

Matador Production Company
 Dagger Lake South TB
 Incident Number: nAPP2511739290
 Unit O, Section 08, T 22S, R 33E
 Lea County, New Mexico

FIGURE**3**



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger Lake South 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 (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.4
SS01	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	5/6/202	0	<0.0250	<0.0500	<20.0	25.6	<50.0	25.6	<50.0	31.9
SS02	5/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.6
SS04	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.4
SS05	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.8
SS08	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS09	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.0
SS09	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS10	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.5
SS10	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	5/6/2025	0	<0.0250	12.7	86.7	3,860	1,440.0	3,947	5,387	<20.0
BH01	5/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	55.8	<25.0	55.8	<20.0
BH01	5/6/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	5/6/2025	0	0.0333	22.8	160	8,330	2,910.0	8,490	11,400	<20.0
BH02	5/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	57.4	<25.0	57.4	<20.0
BH03	5/7/2025	0	0.995	34.6	295	26,100	12,000.0	26,395	38,395	188
BH03	5/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH03	5/7/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	5/7/2025	0	<0.0250	<0.0500	<20.0	37.4	<50.0	37.4	<50.0	<20.0
BH04	5/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	5/7/2025	2	<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 South 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 (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH05	5/6/2025	0	0.191	63.0	431	13,300	4,220.0	13,731	17,951	<20.0
BH05	5/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05	5/6/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.9
BH06	5/6/2025	0	<0.0250	50.7	366	20,400	7,330.0	20,766	28,096	<20.0
BH06	5/6/2025	2	<0.0250	0.280	<20.0	575	283	575	858	531
BH06	5/6/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH07	5/6/2025	0	<0.0250	17.1	184	12,300	4,090	12,484	16,574	39.0
BH07	5/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	59.4	<25.0	59.4	<20.0
BH07	5/6/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH08	8/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH08	8/18/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH09	8/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH09	8/18/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10	8/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10	8/18/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH11	8/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH11	8/18/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger Lake South 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 (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS01	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS02	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS03	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS04	6/5/2025	0.5	<0.0250	<0.0500	<20.0	96.7	63.4	96.7	160.1	<20.0
FS05	6/5/2025	0.5	<0.0250	<0.0500	<20.0	559	251	559	810	<20.0
FS06	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS07	6/5/2025	0.5	<0.0250	<0.0500	<20.0	31.7	<50.0	31.7	<50.0	<20.0
FS08	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS09	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS10	6/13/2025	0.5	<0.0250	<0.0500	<20.0	79.3	<50.0	79.3	79.3	<20.0
FS11	6/16/2025	0.5	<0.0250	<0.0500	<20.0	244	73.9	244	318	<20.0
FS12	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS13	6/16/2025	0.5	<0.0250	0.239	<20.0	477	120	477	597	21.2
FS14	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS15	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS16	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS17	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS18	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS19	6/6/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS20	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS21	6/6/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS22	6/17/2025	0.5	<0.0250	<0.0500	<20.0	145	83.5	145	229	30.1
FS23	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS24	6/4/2025	0.5	<0.0250	<0.0500	<20.0	128	75.1	128	203	29.3
FS25	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS26	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS27	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS28	6/17/2025	0.5	<0.0250	<0.0500	<20.0	43.5	<50.0	43.5	<50.0	<20.0
FS29	6/13/2025	0.5	<0.0250	<0.0500	<20.0	419	242	419	661	<20.0
FS30	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS31	6/13/2025	0.5	<0.0250	0.0515	<20.0	206	103	206	309	<20.0



TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger Lake South 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 (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS32	6/13/2025	0.5	<0.0250	0.177	<20.0	416	188	416	604	<20.0
FS33	6/17/2025	0.5	<0.0250	<0.0500	<20.0	108	57.6	108	166	41.2
FS34	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.6
FS35	6/17/2025	0.5	<0.0250	<0.0500	<20.0	28.7	<50.0	28.7	<50.0	<20.0
FS36	6/17/2025	0.5	<0.0250	<0.0500	<20.0	132	83.6	132	216	<20.0
FS37	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.2
FS38	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.5
FS39	6/6/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS40	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS41	6/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.7
FS42	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.4
FS43	6/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS44	6/5/2025	0	<0.0250	<0.0500	<20.0	68.2	70.6	68.2	139	<20.0
FS45	6/5/2025	0	<0.0250	<0.0500	<20.0	66.4	64.6	66.4	131	31.6
FS46	6/3/2025	0	<0.0250	<0.0500	<20.0	742	695	742	1,437	<20.0
FS47	6/3/2025	0	<0.0250	<0.0500	<20.0	158	170	158	328	21.5
FS48	6/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS49	6/5/2025	0	<0.0250	<0.0500	<20.0	88.4	100.0	88.4	188	<20.0
FS50	6/5/2025	0	<0.0250	<0.0500	<20.0	27.5	<50.0	27.5	<50.0	<20.0
FS51	6/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS52	6/5/2025	0	<0.0250	<0.0500	<20.0	28.1	<50.0	28.1	<50.0	<20.0
FS53	6/4/2025	0	<0.0250	<0.0500	<20.0	36.2	<50.0	36.2	<50.0	26.0
FS54	6/3/2025	0	<0.0250	<0.0500	<20.0	233	206	233	439	<20.0
FS55	6/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS56	6/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS57	6/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS58	6/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.1
FS59	6/3/2025	0	<0.0250	<0.0500	<20.0	787	774	787	1,561	<20.0
FS60	6/3/2025	0	<0.0250	<0.0500	<20.0	532	537	532	1,069	<20.0
FS61	6/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS62	6/5/2025	0	<0.0250	<0.0500	<20.0	49.5	66.1	49.5	116	<20.0

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Dagger Lake South 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 (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS63	6/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.9
FS64	6/5/2025	0	<0.0250	<0.0500	<20.1	<25.1	<50.1	<25.1	<50.1	36.6
FS65	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS66	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS67	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS68	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS69	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS70	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS71	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS72	6/13/2025	0.5	<0.0250	<0.0500	<20.0	66.8	<50.0	66.8	66.8	<20.0
FS73	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS74	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS75	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS76	6/9/2025	0.5	<0.0250	<0.0500	<20.0	25.3	<50.0	25.3	<50.0	<20.0
FS77	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS78	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS79	6/9/2025	0.5	<0.0250	<0.0500	<20.0	30.7	<50.0	30.7	<50.0	21.6
FS80	6/9/2025	0.5	<0.0250	<0.0500	<20.0	37.8	<50.0	37.8	<50.0	<20.0
FS81	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS82	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS83	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger Lake South 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 (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Sidewall Soil Samples										
SW01	6/9/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW02	6/9/2025	0-1	<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

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Photographic Log

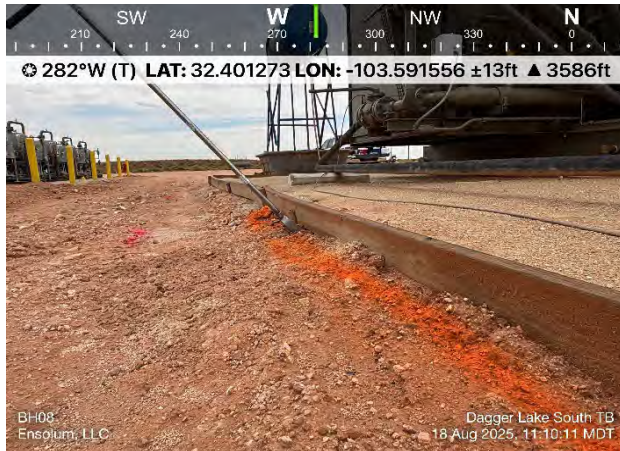


Photographic Log

Matador Production Company

Dagger Lake South TB

nAPP2511739290

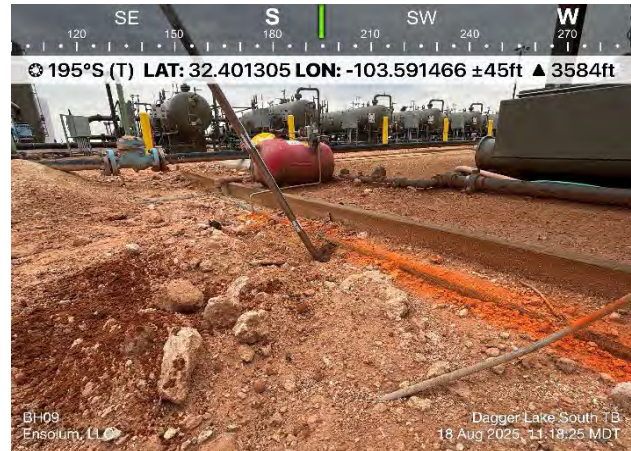


Photograph 1

Date: 8/18/2025

Description: Delineation BH08

View: West



Photograph 2

Date: 8/18/2025

Description: Delineation BH09

View: South

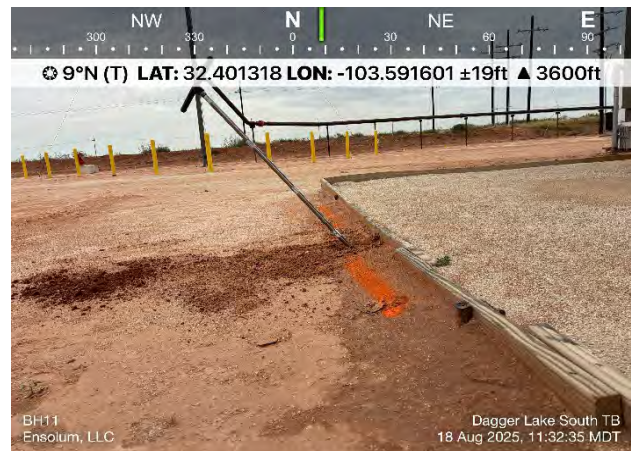


Photograph 3

Date: 8/18/2025

Description: Delineation BH10

View: Southwest



Photograph 4

Date: 8/18/2025


Description: Delineation BH11


View: North





APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: BH08		Date: 08/18/2025	
								Site Name: Dagger Lake South TB			
								Incident Number: nAPP2511739290			
								Job Number: 03A2270096			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: H.Gonzalez		Method: Hand Auger	
Coordinates: 32.401225, -103.591536								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. No 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	ND		N	BH08	0	0	CCHE	Caliche pad material, removed by excavation			
M	ND	15	N	BH08	1	1	SW	Well graded sand, low plasticity, noncohesive, fine grained, moist, loose, no staining.			
M	ND	17	N	BH08	2	2					
Total Depth @ 2 feet bgs.											

								Sample Name: BH09		Date: 08/18/2025	
								Site Name: Dagger Lake South TB			
								Incident Number: nAPP2511739290			
								Job Number: 03A2270096			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: H.Gonzalez		Method: Hand Auger	
Coordinates: 32.401292, -103.591448								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. No 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	ND		N	BH09	0	0	CCHE	Caliche pad material, removed by excavation			
M	ND	12	N	BH09	1	1	SW	Well graded sand, low plasticity, noncohesive, fine grained, moist, loose, no staining.			
M	ND	19	N	BH09	2	2					
Total Depth @ 2 feet bgs.											

								Sample Name: BH10		Date: 08/18/2025	
								Site Name: Dagger Lake South TB			
								Incident Number: nAPP2511739290			
								Job Number: 03A2270096			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: H.Gonzalez		Method: Hand Auger	
Coordinates: 32.401352, -103.591448								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. No 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	ND		N	BH10	0	0	CCHE	Caliche pad material, removed by excavation			
M	ND	10	N	BH10	1	1	SW	Well graded sand, low plasticity, noncohesive, fine grained, moist, loose, no staining.			
M	ND	10	N	BH10	2	2					
Total Depth @ 2 feet bgs.											

								Sample Name: BH11		Date: 08/18/2025	
								Site Name: Dagger Lake South TB			
								Incident Number: nAPP2511739290			
								Job Number: 03A2270096			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: H.Gonzalez		Method: Hand Auger	
Coordinates: 32.401304, -103.591620								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. No 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	ND		N	BH11	0	0	CCHE	Caliche pad material, removed by excavation			
M	ND	13	N	BH11	1	1	SW	Well graded sand, low plasticity, noncohesive, fine grained, moist, loose, no staining.			
M	ND	14	N	BH11	2	2					
Total Depth @ 2 feet bgs.											



APPENDIX C

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 South TB

Work Order: E508219

Job Number: 23003-0002

Received: 8/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/26/25

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: 8/26/25

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



Project Name: Dagger Lake South TB
Workorder: E508219
Date Received: 8/20/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/20/2025 7:30:00AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH08-1'	5
BH08-2'	6
BH09-1'	7
BH09-2'	8
BH10-1'	9
BH10-2'	10
BH11-1'	11
BH11-2'	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/26/25 09:51
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08-1'	E508219-01A	Soil	08/18/25	08/20/25	Glass Jar, 2 oz.
BH08-2'	E508219-02A	Soil	08/18/25	08/20/25	Glass Jar, 2 oz.
BH09-1'	E508219-03A	Soil	08/18/25	08/20/25	Glass Jar, 2 oz.
BH09-2'	E508219-04A	Soil	08/18/25	08/20/25	Glass Jar, 2 oz.
BH10-1'	E508219-05A	Soil	08/18/25	08/20/25	Glass Jar, 2 oz.
BH10-2'	E508219-06A	Soil	08/18/25	08/20/25	Glass Jar, 2 oz.
BH11-1'	E508219-07A	Soil	08/18/25	08/20/25	Glass Jar, 2 oz.
BH11-2'	E508219-08A	Soil	08/18/25	08/20/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/26/2025 9:51:56AM
---	--	---

BH08-1'

E508219-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.8 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.0 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2534073	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/20/25	08/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/25	08/20/25	
<i>Surrogate: n-Nonane</i>	123 %	61-141		08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2534075	
Chloride	ND	20.0	1	08/20/25	08/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/26/2025 9:51:56AM
---	--	----------------------------------

BH08-2'

E508219-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.1 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2534073	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/20/25	08/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/25	08/20/25	
Surrogate: n-Nonane	120 %	61-141		08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2534075	
Chloride	ND	20.0	1	08/20/25	08/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/26/2025 9:51:56AM
---	--	----------------------------------

BH09-1'

E508219-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.2 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2534073	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/20/25	08/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/25	08/20/25	
Surrogate: n-Nonane	117 %	61-141		08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2534075	
Chloride	ND	20.0	1	08/20/25	08/20/25	



Sample Data

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

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

Reported:
8/26/2025 9:51:56AM

BH09-2'

E508219-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2534073	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/20/25	08/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/25	08/20/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2534075	
Chloride	ND	20.0	1	08/20/25	08/20/25	



Sample Data

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

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

Reported:
8/26/2025 9:51:56AM

BH10-1'

E508219-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.0 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2534073	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/20/25	08/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/25	08/20/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2534075	
Chloride	ND	20.0	1	08/20/25	08/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/26/2025 9:51:56AM
---	--	----------------------------------

BH10-2'

E508219-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
Surrogate: 4-Bromochlorobenzene-PID	94.8 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.4 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2534073	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/20/25	08/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/25	08/20/25	
Surrogate: n-Nonane	120 %	61-141		08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2534075	
Chloride	ND	20.0	1	08/20/25	08/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/26/2025 9:51:56AM
---	--	---

BH11-1'

E508219-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.4 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.6 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2534073	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/20/25	08/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/25	08/20/25	
<i>Surrogate: n-Nonane</i>	123 %	61-141		08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2534075	
Chloride	ND	20.0	1	08/20/25	08/20/25	



Sample Data

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

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

Reported:
8/26/2025 9:51:56AM

BH11-2'

E508219-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Benzene	ND	0.0250	1	08/20/25	08/20/25	
Ethylbenzene	ND	0.0250	1	08/20/25	08/20/25	
Toluene	ND	0.0250	1	08/20/25	08/20/25	
o-Xylene	ND	0.0250	1	08/20/25	08/20/25	
p,m-Xylene	ND	0.0500	1	08/20/25	08/20/25	
Total Xylenes	ND	0.0250	1	08/20/25	08/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.5 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2534071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.5 %	70-130		08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2534073	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/20/25	08/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/25	08/20/25	
<i>Surrogate: n-Nonane</i>	123 %	61-141		08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2534075	
Chloride	ND	20.0	1	08/20/25	08/20/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/26/2025 9:51:56AM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2534071-BLK1)

Prepared: 08/20/25 Analyzed: 08/20/25

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	7.60		8.00		95.0	70-130			

LCS (2534071-BS1)

Prepared: 08/20/25 Analyzed: 08/20/25

Benzene	4.97	0.0250	5.00		99.5	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike (2534071-MS1)

Source: E508219-08

Prepared: 08/20/25 Analyzed: 08/20/25

Benzene	4.88	0.0250	5.00	ND	97.7	70-130			
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	70-130			
Toluene	4.91	0.0250	5.00	ND	98.3	70-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	70-130			
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

Matrix Spike Dup (2534071-MSD1)

Source: E508219-08

Prepared: 08/20/25 Analyzed: 08/20/25

Benzene	4.80	0.0250	5.00	ND	96.0	70-130	1.76	27	
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	70-130	1.95	26	
Toluene	4.83	0.0250	5.00	ND	96.6	70-130	1.71	20	
o-Xylene	4.84	0.0250	5.00	ND	96.8	70-130	2.46	25	
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	70-130	2.16	23	
Total Xylenes	14.5	0.0250	15.0	ND	96.6	70-130	2.26	26	
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/26/2025 9:51:56AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2534071-BLK1) Prepared: 08/20/25 Analyzed: 08/20/25

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

LCS (2534071-BS2) Prepared: 08/20/25 Analyzed: 08/20/25

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike (2534071-MS2) Source: E508219-08 Prepared: 08/20/25 Analyzed: 08/20/25

Gasoline Range Organics (C6-C10)	56.5	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.8	70-130			

Matrix Spike Dup (2534071-MSD2) Source: E508219-08 Prepared: 08/20/25 Analyzed: 08/20/25

Gasoline Range Organics (C6-C10)	56.0	20.0	50.0	ND	112	70-130	0.772	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/26/2025 9:51:56AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2534073-BLK1)					Prepared: 08/20/25 Analyzed: 08/20/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.6		50.0		123	61-141			

LCS (2534073-BS1)					Prepared: 08/20/25 Analyzed: 08/20/25				
Diesel Range Organics (C10-C28)	285	25.0	250		114	66-144			
Surrogate: n-Nonane	56.9		50.0		114	61-141			

Matrix Spike (2534073-MS1)					Source: E508217-02		Prepared: 08/20/25 Analyzed: 08/20/25		
Diesel Range Organics (C10-C28)	303	25.0	250	ND	121	56-156			
Surrogate: n-Nonane	60.7		50.0		121	61-141			

Matrix Spike Dup (2534073-MSD1)					Source: E508217-02		Prepared: 08/20/25 Analyzed: 08/20/25		
Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	56-156	2.52	20	
Surrogate: n-Nonane	61.0		50.0		122	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/26/2025 9:51:56AM
---	--	----------------------------------

Anions by EPA 300.0/9056A

Analyst: TP

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

Blank (2534075-BLK1)					Prepared: 08/20/25 Analyzed: 08/20/25				
Chloride	ND	20.0							
LCS (2534075-BS1)					Prepared: 08/20/25 Analyzed: 08/20/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2534075-MS1)					Source: E508217-02		Prepared: 08/20/25 Analyzed: 08/20/25		
Chloride	610	20.0	250	378	93.0	80-120			
Matrix Spike Dup (2534075-MSD1)					Source: E508217-02		Prepared: 08/20/25 Analyzed: 08/20/25		
Chloride	609	20.0	250	378	92.4	80-120	0.254	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/26/25 09:51

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

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

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



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 South TB				Address: 3122 National Parks Hwy		E508219	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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1112	08/18/2025	S	1	BH08-1'		1								X				
1113	08/18/2025	S	1	BH08-2'		2								X				
1119	08/18/2025	S	1	BH09-1'		3								X				
1120	08/18/2025	S	1	BH09-2'		4								X				
1126	08/18/2025	S	1	BH10-1'		5								X				
1127	08/18/2025	S	1	BH10-2'		6								X				
1133	08/18/2025	S	1	BH11-1'		7								X				
1134	08/18/2025	S	1	BH11-2'		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: 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: <input checked="" type="radio"/> Y <input type="radio"/> 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: 8/20/2025 9:19:11AM

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:	08/20/25 07:30	Work Order ID:	E508219
Phone:	(972) 371-5200	Date Logged In:	08/19/25 14:47	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/26/25 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.



APPENDIX D

Remediation Closure Request



July 21, 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 South TB
Incident Number nAPP2511739290
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Dagger Lake South 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 an equipment failure caused by human error. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2511739290.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 08, Township 22 South, Range 33 East, in Lea County, New Mexico (32.40116°, -103.59142°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (NMSLO).

On April 26, 2025, a 1-inch valve on a heater treater was left open causing 73 barrels (bbls) of crude oil to be released on pad; 50 bbls of oil were recovered. Matador submitted a Release Notification Form C-141 (C-141) on April 28, 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 1899 POD1, located approximately 1,222 feet southeast of the Site. The well had a reported depth to groundwater of greater than 101 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 is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 1,048 feet south 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 will be disturbed during excavation activities. The Site area is greater than 1,000 feet to surface water, wetlands, or other sensitive receptors.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

Beginning on May 5, 2025, through May 7, 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 SS11) were collected at ground surface and 1-foot bgs to assess the lateral extent of the release area. Seven boreholes (BH01 through BH07) were advanced within the release extent to assess the vertical extent of impacted soil; boreholes BH01 and BH03, BH04, BH05 and BH07 were advanced to a depth of 2 feet bgs and borehole BH02 was advanced to a depth of 1-foot bgs and borehole BH06 was advanced to a depth of 3 feet bgs via hand auger.

Matador Production Company
Dagger Lake South TB
Closure Request



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

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

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Ensolum personnel returned to the Site on June 3, 2025, to oversee the excavation of impacted soil from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a backhoe, hydrovac, hand digging crew, and belly dump trucks. To direct excavation activities, Ensolum personnel screened soil for chloride and TPH utilizing the processes described above.

Following the removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 400 square feet from the floor of the excavation. A confirmation sampling variance request was submitted to the NMOCD on May 27, 2025, to increase the frequency of confirmation sampling areas to every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation, where applicable. The confirmation sampling variance request was approved via email on May 28, 2025 (see Appendix D). 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 FS03 and FS06 were collected from the floor of the excavation at a depth of 1-foot bgs. Composite sidewall soil samples SW01 and SW02 were collected at depths ranging from the ground surface to 1-foot bgs. Composite soil samples FS04, FS05, and FS07 through FS82 were collected from the floor of the excavation at depths ranging from ground surface to 0.5 feet bs and since the excavation for these confirmation samples was less than 1-foot bgs, soil from the sidewalls was incorporated into the composite confirmation samples collected from the floor of the excavation extent. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

Samples collected and submitted to Envirotech on June 6, 2025, under work order number E506063, were initially submitted as confirmation floor samples (FS84 through FS86). Due to the location of a compressor in the middle of the release footprint; these sample confirmation sample areas were removed from the sampling grid and renamed FS19, FS21, and FS39, respectively.

The final excavation extent measured approximately 32,623 square feet. A total of approximately 618 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land, LLC and R360 in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

Matador Production Company
Dagger Lake South TB
Closure Request



LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS11 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 boreholes BH01 through BH05 and BH07 indicated all COCs were in compliance with the Site Closure Criteria and the strictest Closure Criteria per NMOCD Table I at 1-foot bgs. Laboratory analytical results for borehole BH06 indicated all COCs were in compliance with the Site Closure Criteria at 2 feet bgs and the strictest Closure Criteria per NMOCD Table I at 3 feet bgs. Laboratory analytical results for excavation floor soil samples FS01 through FS82 indicated COC concentrations were all in compliance with the Site Closure Criteria at depths ranging from ground surface to 1-foot bgs. Laboratory analytical results for excavation sidewall soil samples SW01 and SW02 indicated COC concentrations were all in compliance with the strictest Site Closure Criteria per NMOCD Table I at depths ranging from ground surface to 1-foot bgs. Laboratory analytical results are summarized in Tables 1, 2, and 3, and the complete laboratory analytical reports are included as Appendix E.

CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples (SS01 through SS11), collected at ground surface and 1-foot bgs, and vertically by boreholes (BH01 through BH07), collected at depths ranging from ground surface to 3 feet bgs. Excavation of impacted soil was completed, and excavation floor samples (FS01 through FS82), collected at depths ranging from ground surface to 1-foot bgs were all in compliance with the Site Closure Criteria and sidewall samples (SW01 through SW02), collected from ground surface to 1-foot bgs, were all in compliance with the strictest Closure Criteria per NMOCD Table I.

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 nAPP2511739290.

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 blue ink, appearing to read "CHAD HAMILTON".

Chad Hamilton
Project Geologist

A handwritten signature in blue ink, appearing to read "DANIEL R. MOIR".

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

cc: Jason Touchet, Matador

Matador Production Company
Dagger Lake South TB
Closure Request



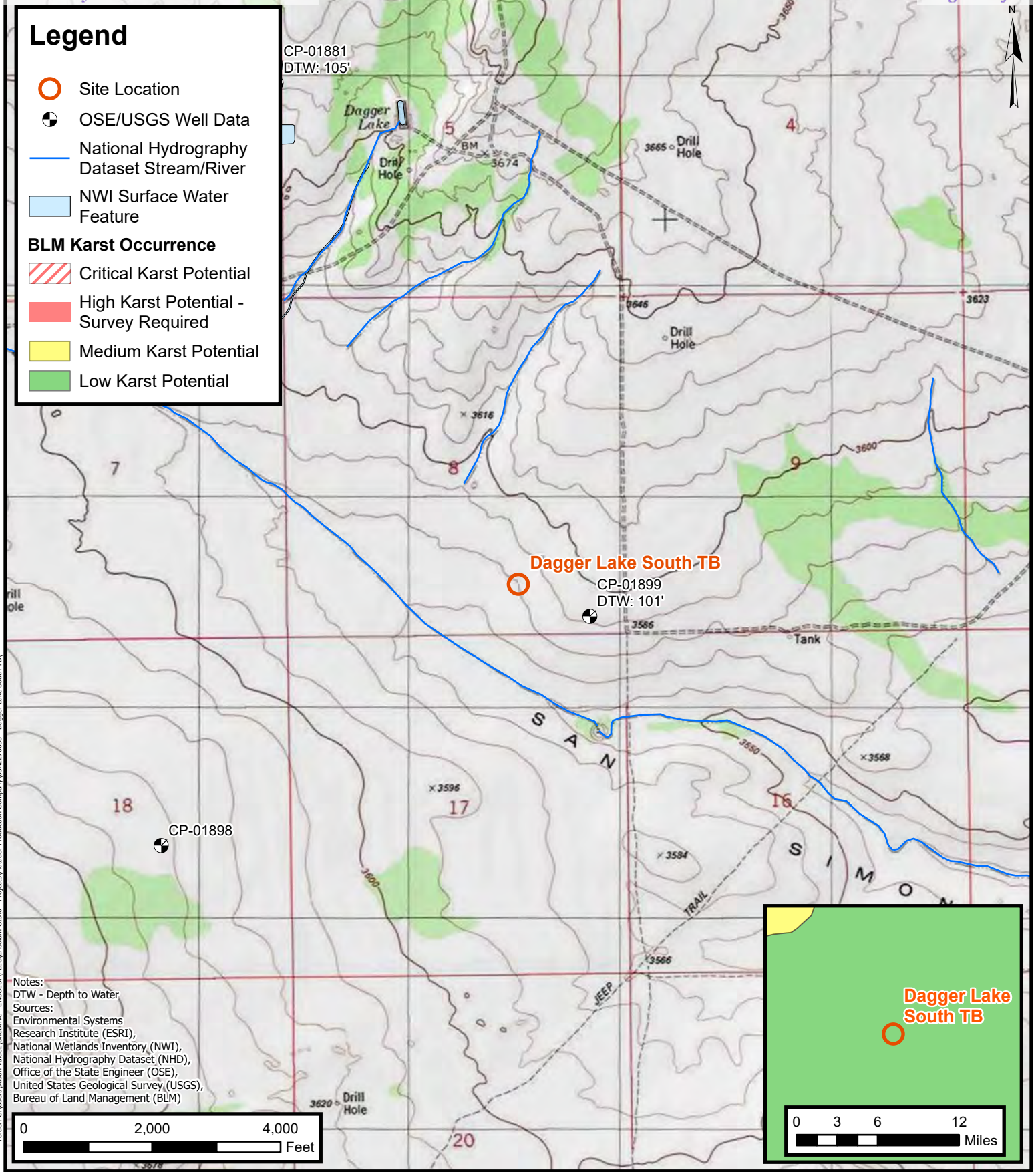
Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Excavation Soil Samples)

Appendix A	Referenced Well Records
Appendix B	Lithologic / Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	NMOCD Correspondence
Appendix E	Laboratory Analytical Reports & Chain-of-Custody



FIGURES

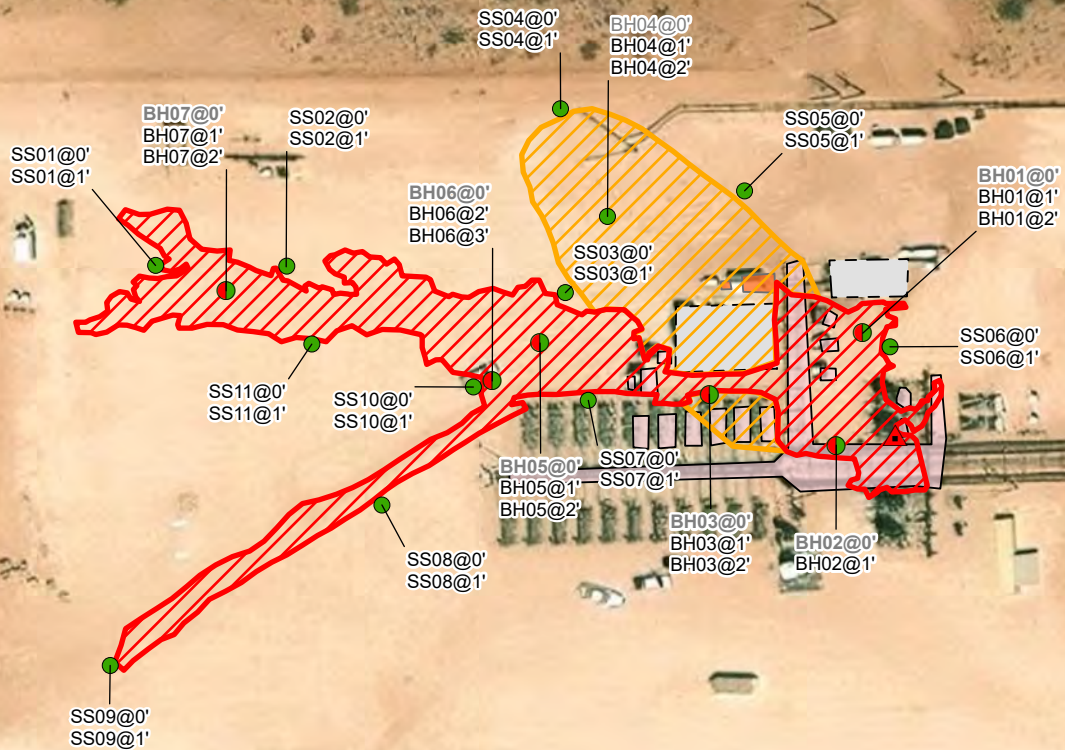


Site Receptor Map
Matador Production Company
Dagger Lake South TB
Incident Number: nAPP2511739290
Unit O, Section 08, T 22S, R 33E
Lea County, New Mexico

FIGURE
1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- ▲ Point of Release (POR)
- Overspray
- Saturated Zone
- Electrical Infrastructure
- Concrete Pad
- Infrastructure

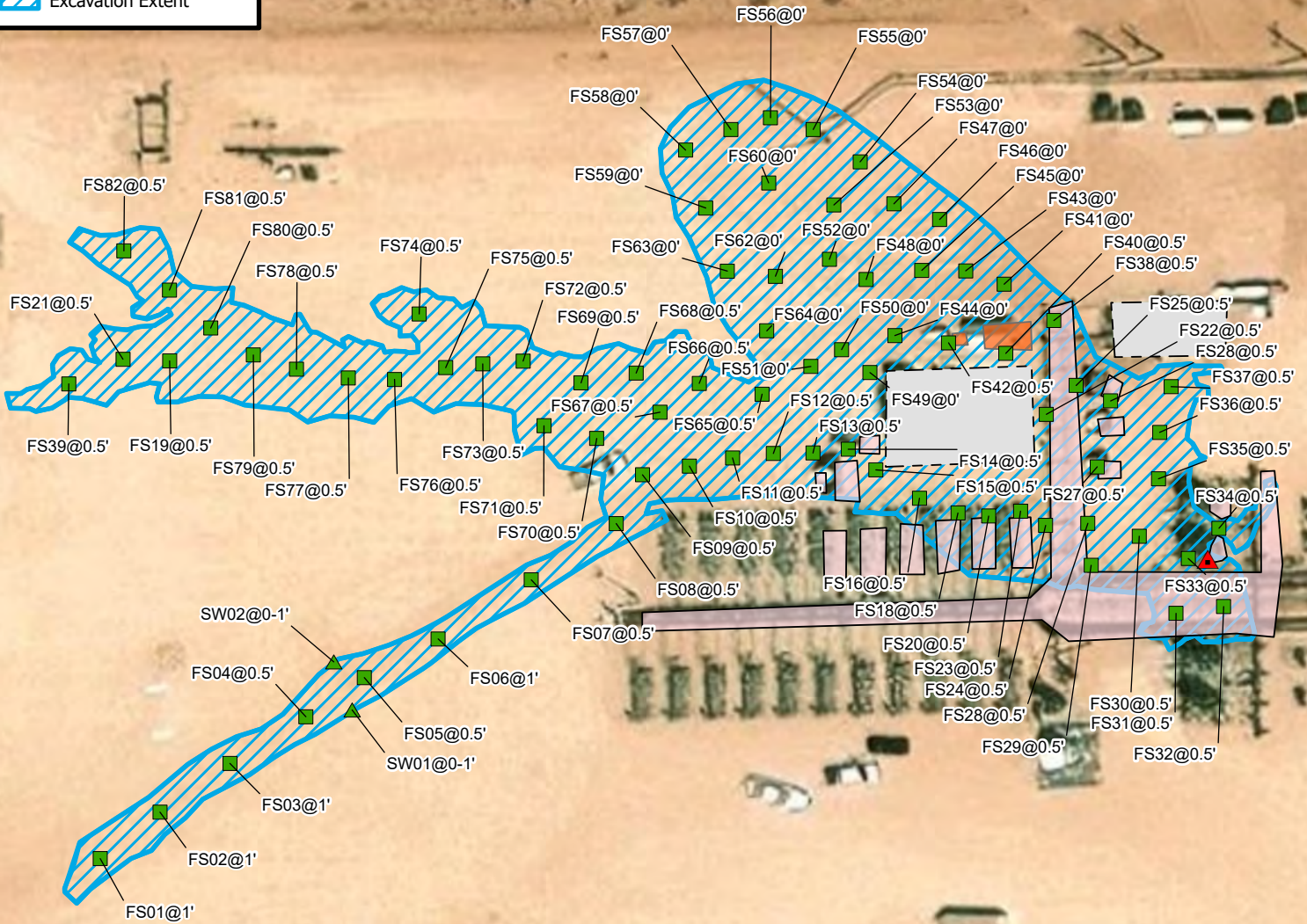
**Delineation Soil Sample Locations**

Matador Production Company
 Dagger Lake South TB
 Incident Number: nAPP2511739290
 Unit O, Section 08, T 22S, R 33E
 Lea County, New Mexico

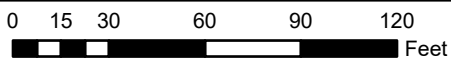
FIGURE**2**

Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in Compliance with Closure Criteria
- Point of Release (POR)
- Electrical Infrastructure
- Concrete Pad
- Infrastructure
- Excavation Extent



Notes:
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



Excavation Soil Sample Locations

Matador Production Company
Dagger Lake South TB
Incident Number: nAPP2511739290
Unit O, Section 08, T 22S, R 33E
Lea County, New Mexico

FIGURE

3



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger Lake South 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)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.4
SS01	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	5/6/202	0	<0.0250	<0.0500	<20.0	25.6	<50.0	25.6	<50.0	31.9
SS02	5/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.6
SS04	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.4
SS05	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.8
SS08	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS09	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.0
SS09	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS10	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.5
SS10	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	5/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	5/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	5/6/2025	0	<0.0250	12.7	86.7	3,860	1,440.0	3,947	5,387	<20.0
BH01	5/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	55.8	<25.0	55.8	<20.0
BH01	5/6/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	5/6/2025	0	0.0333	22.8	160	8,330	2,910.0	8,490	11,400	<20.0
BH02	5/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	57.4	<25.0	57.4	<20.0
BH03	5/7/2025	0	0.995	34.6	295	26,100	12,000.0	26,395	38,395	188
BH03	5/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH03	5/7/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	5/7/2025	0	<0.0250	<0.0500	<20.0	37.4	<50.0	37.4	<50.0	<20.0
BH04	5/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	5/7/2025	2	<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 South 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 (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH05	5/6/2025	0	0.191	63.0	431	13,300	4,220.0	13,731	17,951	<20.0
BH05	5/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05	5/6/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.9
BH06	5/6/2025	0	<0.0250	50.7	366	20,400	7,330.0	20,766	28,096	<20.0
BH06	5/6/2025	2	<0.0250	0.280	<20.0	575	283	575	858	531
BH06	5/6/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH07	5/6/2025	0	<0.0250	17.1	184	12,300	4,090	12,484	16,574	39.0
BH07	5/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	59.4	<25.0	59.4	<20.0
BH07	5/6/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger Lake South 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 (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS01	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS02	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS03	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS04	6/5/2025	0.5	<0.0250	<0.0500	<20.0	96.7	63.4	96.7	160.1	<20.0
FS05	6/5/2025	0.5	<0.0250	<0.0500	<20.0	559	251	559	810	<20.0
FS06	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS07	6/5/2025	0.5	<0.0250	<0.0500	<20.0	31.7	<50.0	31.7	<50.0	<20.0
FS08	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS09	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS10	6/13/2025	0.5	<0.0250	<0.0500	<20.0	79.3	<50.0	79.3	79.3	<20.0
FS11	6/16/2025	0.5	<0.0250	<0.0500	<20.0	244	73.9	244	318	<20.0
FS12	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS13	6/16/2025	0.5	<0.0250	0.239	<20.0	477	120	477	597	21.2
FS14	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS15	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS16	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS17	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS18	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS19	6/6/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS20	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS21	6/6/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS22	6/17/2025	0.5	<0.0250	<0.0500	<20.0	145	83.5	145	229	30.1
FS23	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS24	6/4/2025	0.5	<0.0250	<0.0500	<20.0	128	75.1	128	203	29.3
FS25	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS26	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS27	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS28	6/17/2025	0.5	<0.0250	<0.0500	<20.0	43.5	<50.0	43.5	<50.0	<20.0
FS29	6/13/2025	0.5	<0.0250	<0.0500	<20.0	419	242	419	661	<20.0
FS30	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS31	6/13/2025	0.5	<0.0250	0.0515	<20.0	206	103	206	309	<20.0
FS32	6/13/2025	0.5	<0.0250	0.177	<20.0	416	188	416	604	<20.0

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Dagger Lake South 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 (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS33	6/17/2025	0.5	<0.0250	<0.0500	<20.0	108	57.6	108	166	41.2
FS34	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.6
FS35	6/17/2025	0.5	<0.0250	<0.0500	<20.0	28.7	<50.0	28.7	<50.0	<20.0
FS36	6/17/2025	0.5	<0.0250	<0.0500	<20.0	132	83.6	132	216	<20.0
FS37	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.2
FS38	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.5
FS39	6/6/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS40	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS41	6/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.7
FS42	6/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.4
FS43	6/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS44	6/5/2025	0	<0.0250	<0.0500	<20.0	68.2	70.6	68.2	139	<20.0
FS45	6/5/2025	0	<0.0250	<0.0500	<20.0	66.4	64.6	66.4	131	31.6
FS46	6/3/2025	0	<0.0250	<0.0500	<20.0	742	695	742	1,437	<20.0
FS47	6/3/2025	0	<0.0250	<0.0500	<20.0	158	170	158	328	21.5
FS48	6/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS49	6/5/2025	0	<0.0250	<0.0500	<20.0	88.4	100.0	88.4	188	<20.0
FS50	6/5/2025	0	<0.0250	<0.0500	<20.0	27.5	<50.0	27.5	<50.0	<20.0
FS51	6/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS52	6/5/2025	0	<0.0250	<0.0500	<20.0	28.1	<50.0	28.1	<50.0	<20.0
FS53	6/4/2025	0	<0.0250	<0.0500	<20.0	36.2	<50.0	36.2	<50.0	26.0
FS54	6/3/2025	0	<0.0250	<0.0500	<20.0	233	206	233	439	<20.0
FS55	6/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS56	6/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS57	6/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS58	6/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.1
FS59	6/3/2025	0	<0.0250	<0.0500	<20.0	787	774	787	1,561	<20.0
FS60	6/3/2025	0	<0.0250	<0.0500	<20.0	532	537	532	1,069	<20.0
FS61	6/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS62	6/5/2025	0	<0.0250	<0.0500	<20.0	49.5	66.1	49.5	116	<20.0
FS63	6/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.9
FS64	6/5/2025	0	<0.0250	<0.0500	<20.1	<25.1	<50.1	<25.1	<50.1	36.6

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger Lake South 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)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS65	6/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS66	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS67	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS68	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS69	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS70	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS71	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS72	6/13/2025	0.5	<0.0250	<0.0500	<20.0	66.8	<50.0	66.8	66.8	<20.0
FS73	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS74	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS75	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS76	6/9/2025	0.5	<0.0250	<0.0500	<20.0	25.3	<50.0	25.3	<50.0	<20.0
FS77	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS78	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS79	6/9/2025	0.5	<0.0250	<0.0500	<20.0	30.7	<50.0	30.7	<50.0	21.6
FS80	6/9/2025	0.5	<0.0250	<0.0500	<20.0	37.8	<50.0	37.8	<50.0	<20.0
FS81	6/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS82	6/9/2025	0.5	<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

NMOCDC: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 3 SOIL SAMPLE ANALYTICAL RESULTS Dagger Lake South 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 (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Sidewall Soil Samples										
SW01	6/9/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW02	6/9/2025	0-1	<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

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO.		OSE FILE NO(S). CP-1899			
	WELL OWNER NAME(S) Marathon Oil				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 4111 S Tidwell Rd.				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 23	SECONDS 59.07 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SE SE Sec. 09 T22S R33E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 2/9/2022	DRILLING ENDED 2/24/2022	DEPTH OF COMPLETED WELL (FT) temporary casing		BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 2/24/22, 3/8/2022	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		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)
	0 101		±8.5	Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	

FOR OSE INTERNAL USE

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

FILE NO.	CP-1899	POD NO.	POD1	TRN NO.	717713
LOCATION	SESESE 8 22S 33E	WELL TAG ID NO.	NA	PAGE 1 OF 2	

1. HYDROGEOLOGIC LOG OF WELL

5. TEST: RIG SUPERVISION

6. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	CP-1899	POD NO.	2001
LOCATION	SESESE 8 725 33E	TRN NO.	717713
		WELL TAG ID NO.	NA
			PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 717713
File Nbr: CP 01899
Well File Nbr: CP 01899 POD1

Mar. 22, 2022

MELODIE SANJARI
MARATHON OIL
4111 S TIDWELL RD
CARLSBAD, NM 88220

Greetings:


The above numbered permit was issued in your name on 01/31/2022.

The Well Record was received in this office on 03/11/2022, stating that it had been completed on 02/24/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 01/31/2023.

If you have any questions, please feel free to contact us.

Sincerely,




Megen Telles
(575) 622-6521


drywell


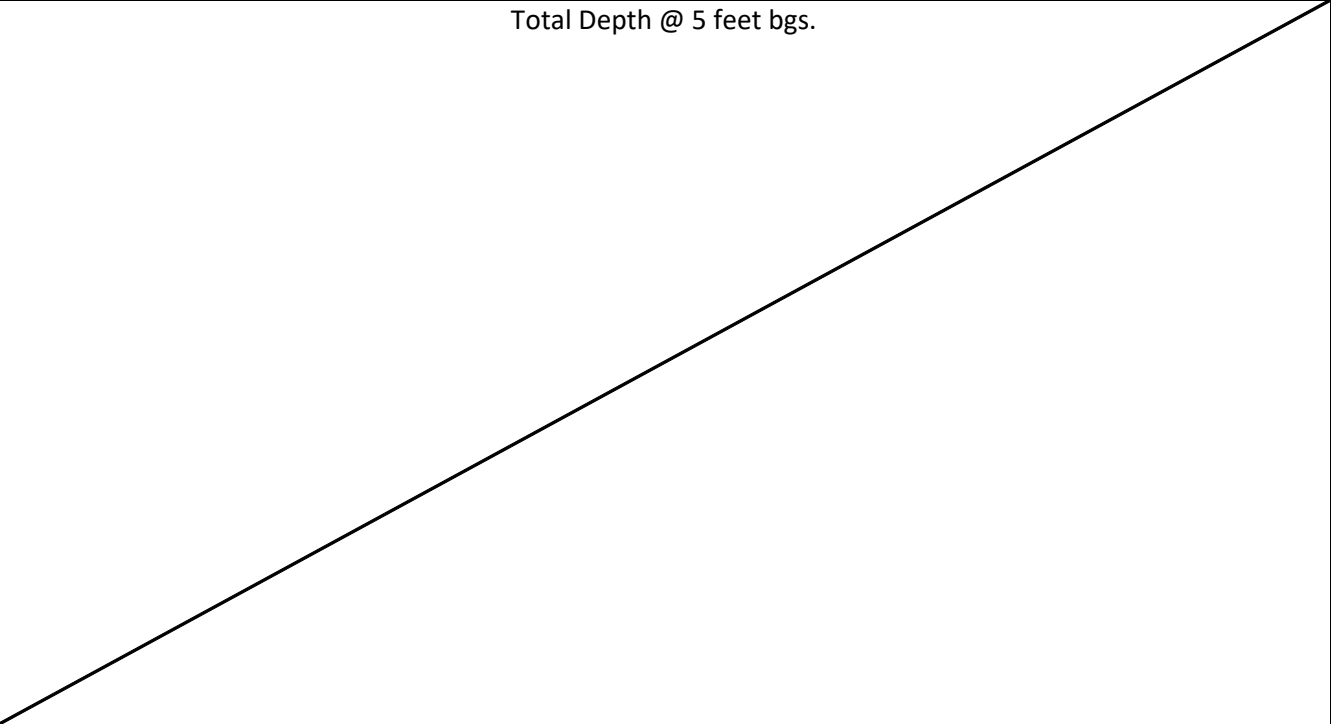



APPENDIX B


Lithologic Soil Sampling Logs


 ENSOLUM		Sample Name: BH01		Date: 5/6/2025				
		Site Name: Dagger Lake South TB						
		Incident Number: nAPP2511739290						
		Job Number: 03A2270096						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.401308, -103.591303			Logged By: Aboubakar Kone		Method: Hand Auger			
			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. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0 0.5	0	CCHE	Caliche Pad Material, Stain, Tan, Well Graded, Fine to Coarse, Low Plasticity, Dense.
M	ND		N		1	1	SP-SM	Poorly Graded brown Sand with Silt, No Stain, Fine Grain, Non Plastic, Medium Dense, Non Cohesive, Massive.
M	ND	34			2	2		
M	ND	24			3	3		
Total Depth @ 3 feet bgs.								


 ENSOLUM		Sample Name: BH02		Date: 5/6/2025				
		Site Name: Dagger Lake South TB						
		Incident Number: nAPP2511739290						
		Job Number: 03A2270096						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.401148, -103.591350			Logged By: Aboubakar Kone		Method: Hand Auger			
			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. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH02	0 0.5	0	CCHE	Caliche Pad Material, Stain, Tan, Well Graded, Fine to Coarse, Low Plasticity, Dense.
M	ND	46	N		1	1	SP-SM	Poorly Graded brown Sand with Silt, No Stain, Fine Grain, Non Plastic, Medium Dense, Non Cohesive.
M	ND				2	2		
M	ND				3	3		
Total Depth @ 3 feet bgs.								

 ENSOLUM		Sample Name: BH03		Date: 05/07/2025				
		Site Name: Dagger Lake South TB						
		Incident Number: nAPP2511739290						
		Job Number: 03A2270096						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.401223, -103.591563			Logged By: H.Gonzalez		Method: Hand Auger			
			Hole Diameter: 3'		Total Depth: 5'			
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. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	ND		Y	BH03	0	0	CCHE	Caliche pad material, staining, moist, strong odor, dark brown.
M	ND	25	N		1	1	SW	Well graded sand, low plasticity, noncohesive, fine grained, moist, loose, orange strong odor, no staining.
M	ND				2	2		
M	ND	60			3	3		
					4	4		
M	ND	17			5	5		Well graded sand with trace amounts of caliche gravel, mild odor, light tan, no staining.
Total Depth @ 5 feet bgs.								

 ENSOLUM		Sample Name: BH04		Date: 05/07/2025				
		Site Name: Dagger Lake South TB						
		Incident Number: nAPP2511739290						
		Job Number: 03A2270096						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.401480, -103.591731			Logged By: H.Gonzalez		Method: Hand Auger			
			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. No 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	ND		Y	BH04	0	0	CCHE	Caliche pad material with sand, staining on surface, strong odor, tan with white caliche
M	ND	76			1	1	SW	Well graded sand, low plasticity, noncohesive, fine grained, moist, loose, orange, no odor or staining.
M	ND	16	N		2	2		
M	ND				3	3		
Total Depth @ 3 feet bgs.								

								Sample Name: BH05		Date: 5/6/2025	
								Site Name: Dagger Lake South TB			
								Incident Number: nAPP2511739290			
								Job Number: 03A2270096			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Aboubakar Kone		Method: Hand Auger	
Coordinates: 32.401300, -103.591848								Hole Diameter: 3"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petrofalg for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH05	0 0.5	0	CCHE	Caliche Pad Material, Stain, Tan, Well Graded, Fine to Coarse, Low Plasticity, Dense.			
M	ND				1	1	SP-SM	Poorly Graded brown Sand with Silt, No Stain, Fine Grain, Non Plastic, Medium Dense, Non Cohesive, Massive			
M	ND	44	N		2	2					
M	ND				3	3					
M	ND				4	4	CCHE	Caliche, No Stain, White, Well Graded, Fine to Coarse, Non Plastic, Dense, Non Cohesive, Massive			
Total Depth @ 4 feet bgs.											

 ENSOLUM		Sample Name: BH06		Date: 5/6/2025				
		Site Name: Dagger Lake South TB						
		Incident Number: nAPP2511739290						
		Job Number: 03A2270096						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.401246, -103.591929			Logged By: Aboubakar Kone		Method: Hand Auger			
			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. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	ND		Y	BH06	0 0.5	0	CCHE	Caliche Pad Material, Stain, Tan, Well Graded, Fine to Coarse, Low Plasticity, Dense.
M	ND		N		1	1	SP-SM	Poorly Graded brown Sand with Silt, No Stain, Fine Grain, Non Plastic, Medium Dense, Non Cohesive.
M	ND	603			2	2		
M	ND	20			3	3		
Total Depth @ 3 feet bgs.								

 ENSOLUM		Sample Name: BH07		Date: 5/6/2025				
		Site Name: Dagger Lake South TB						
		Incident Number: nAPP2511739290						
		Job Number: 03A2270096						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.401381, -103.592376			Logged By: Aboubakar Kone		Method: Auger			
			Hole Diameter: 3"		Total Depth: 2'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH07	0 0.5	0	CCHE	Caliche Pad Material, Stain, Tan, Well Graded, Fine to Coarse, Low Plasticity, Dense.
M	ND	170	N		1	1	SP-SM	Poorly Graded brown Sand with Silt, No Stain, Fine Grain, Non Plastic, Medium Dense, Non Cohesive.
M	ND	33			2	2		
Total Depth @ 2 feet bgs.								



APPENDIX C

Photographic Log



Photographic Log

Matador Production Company

Dagger Lake South TB

nAPP2511739290

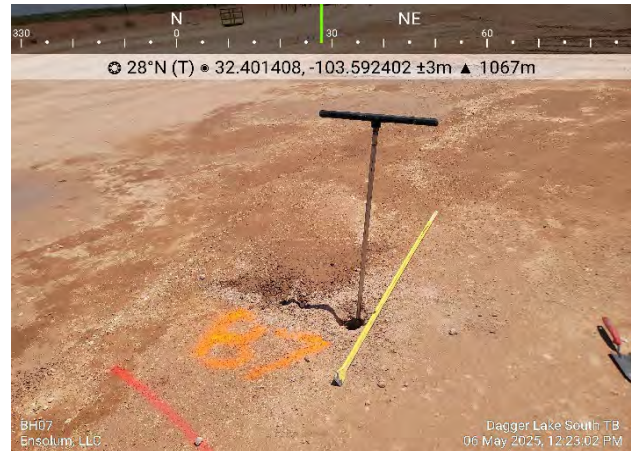


Photograph 1

Date: 5/5/2025

Description: Lease Sign

View: Southeast



Photograph 2

Date: 5/6/2025

Description: Delineation

View: Northeast



Photograph 3

Date: 5/6/2025

Description: Delineation

View: East



Photograph 4

Date: 5/6/2025

Description: Delineation

View: West



Photographic Log

Matador Production Company
Dagger Lake South TB
nAPP2511739290



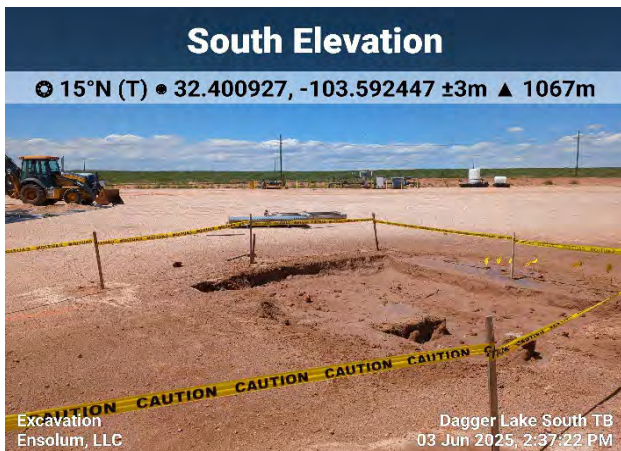
Photograph 5
Description: Delineation
View: East

Date: 5/7/2025



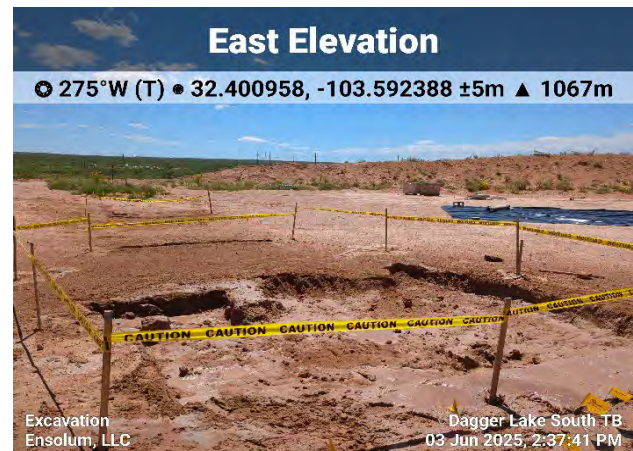
Photograph 6
Description: Delineation
View: South

Date: 5/7/2025



Photograph 7
Description: Hydrovac
View: South

Date: 6/3/2025



Photograph 8
Description: Hydrovac
View: East

Date: 6/3/2025



Photographic Log
Matador Production Company
Dagger Lake South TB
nAPP2511739290

West Elevation

148°SE (T) • 32.401039, -103.592508 ±4m ▲ 1067m



Hydrovac Excavating
Ensolum, LLC

Dagger Lake South TB
03 Jun 2025, 1:36:21 PM

Photograph 9
Description: Hydrovac
View: West

Date: 6/3/2025

West Elevation

82°E (T) • 32.40095, -103.592518 ±3m ▲ 1067m



Excavation
Ensolum, LLC

Dagger Lake South TB
05 Jun 2025, 11:12:29 AM

Photograph 10
Description: Excavation
View: East

Date: 6/5/2025

North Elevation

58°NE (T) • 32.401123, -103.591426 ±3m ▲ 1067m

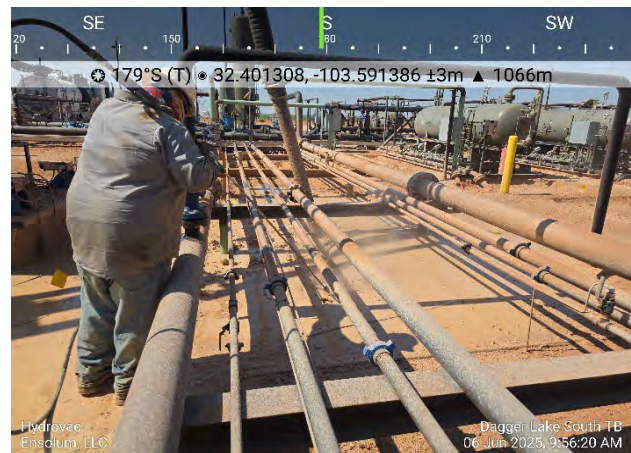


Hydrovac
Ensolum, LLC

Dagger Lake South TB
05 Jun 2025, 11:14:39 AM

Photograph 11
Description: Hydrovac
View: South

Date: 6/5/2025



Hydrovac
Ensolum, LLC

Dagger Lake South TB
06 Jun 2025, 9:56:20 AM

Photograph 12
Description: Hydrovac
View: South

Date: 6/6/2025



Photographic Log
Matador Production Company
Dagger Lake South TB
nAPP2511739290



Photograph 13
Description: Excavation
View: Southeast

Date: 6/6/2025



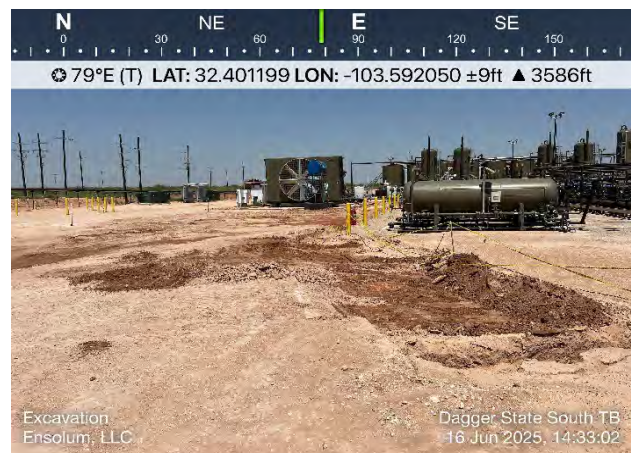
Photograph 14
Description: Hydrovac
View: Southwest

Date: 6/9/2025



Photograph 15
Description: Excavation
View: West

Date: 6/9/2025



Photograph 16
Description: Excavation
View: East

Date: 6/16/2025



Photographic Log

Matador Production Company

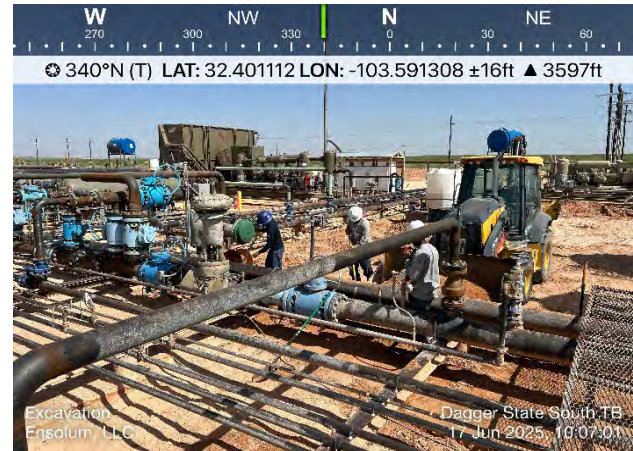
Dagger Lake South TB

nAPP2511739290



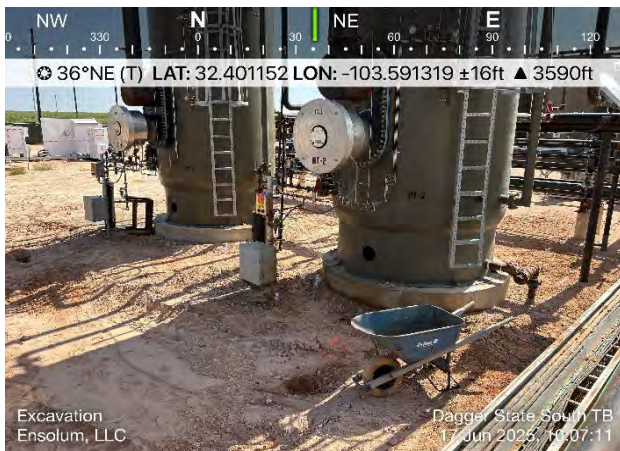
Photograph 17
Description: Excavation
View: East

Date: 6/16/2025



Photograph 18
Description: Excavation
View: North

Date: 6/17/2025



Photograph 19
Description: Excavation
View: Northeast

Date: 6/17/2025



Photograph 20
Description: Excavation
View: South

Date: 6/17/2025



APPENDIX D

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 455947

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 455947
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Dagger Lake South TB
Date Release Discovered	04/26/2025
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	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 75 BBL Recovered: 50 BBL Lost: 25 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 455947

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 455947
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

Sante Fe Main Office
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

ACKNOWLEDGMENTS

Action 455947

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 455947
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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

General Information
Phone: (505) 629-6116

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

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

CONDITIONS

Action 455947

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 455947
	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.	4/27/2025

Impacted Soil	
Saturated Soil (inches)	
	0.5
Pooled Zone	
	20942
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
	50
Soil type	
	pad caliche
Spill type	
	oil(crude)
Barrel estimate in soil	
	20.7
Barrel estimate (standing fluids/ recovered+in soil)	
	70.7

Impacted Soil
Saturated Soil (inches)
0.1
Overspray Area
12469
Standing fluids
inches of standing fluid
0
bbl estimate of standing fluids
barrels recovered (if known)
0
Soil type
pad caliche
Spill type
oil(crude)
Barrel estimate in soil
2.5
Barrel estimate (standing fluids/ recovered+in soil)
2.5

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 455998

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 455998
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH 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 South TB
Date Release Discovered	04/26/2025
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	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 73 BBL Recovered: 50 BBL Lost: 23 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.

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 455998

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 455998
	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: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 04/28/2025
--	--

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 455998

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 455998
	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>	

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 455998

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 455998
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	4/28/2025

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 468805

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 468805
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/03/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar Kone (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 468805

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 468805
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/29/2025

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 468808

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 468808
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar Kone (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 468808

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 468808
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/29/2025

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 468810

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 468810
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
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	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar Kone (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 468810

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 468810
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/29/2025

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 468813

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 468813
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/06/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar Kone (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 468813

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 468813
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/29/2025

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 471022

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 471022
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/09/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Cole Burton (575) 706-5056
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 471022

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 471022
	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.	6/5/2025

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 471036

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 471036
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
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	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/10/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Cole Burton (575) 706-5056
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 471036

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 471036
	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.	6/5/2025

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 471040

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 471040
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/11/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Cole Burton (575) 706-5056
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 471040

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 471040
	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.	6/5/2025

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 472919

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472919
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/12/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Cole Burton (575) 706-5056
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 472919

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472919
	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.	6/10/2025
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.	6/10/2025

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 473387

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 473387
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/13/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Cole Burton (575) 706-5056
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 473387

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 473387
	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.	6/11/2025
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.	6/11/2025

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 473390

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 473390
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
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	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/16/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Cole Burton (575) 706-5056
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 473390

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 473390
	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.	6/11/2025
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.	6/11/2025

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 473391

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 473391
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/17/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Cole Burton (575) 706-5056
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 473391

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 473391
	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.	6/11/2025
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.	6/11/2025

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 473394

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 473394
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
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	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/16/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Cole Burton (575) 706-5056
Please provide any information necessary for navigation to sampling site	32.40116,-103.59142

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 473394

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 473394
	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.	6/11/2025
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.	6/11/2025

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 475594

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 475594
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

Location of Release Source	
Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	34,275
What is the estimated number of samples that will be gathered	86
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/18/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	2.40116,-103.59142)

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 475594

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 475594
	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.	6/16/2025
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.	6/16/2025

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Ashley Giovengo](#); [Arsenio Jones](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Confirmation Sampling Variance - Dagger Lake South TB - Incident Number nAPP2511739290
Date: Wednesday, May 28, 2025 8:57:20 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good morning Chad,

Your request for a confirmation sampling variance is approved to collect confirmation floor samples no more than every 400 ft2 and sidewall samples no more than every 200 ft2. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Tuesday, May 27, 2025 5:12 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Ashley Giovengo <agiovengo@ensolum.com>; Arsenio Jones <arsenio.jones@matadorresources.com>
Subject: [EXTERNAL] Confirmation Sampling Variance - Dagger Lake South TB - Incident Number nAPP2511739290

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Dagger Lake South TB (Site). On April 26, 2025, human error resulted in the release of approximately 73 barrels (bbls) of crude oil onto the caliche pad; 50 bbls of crude oil were recovered from the release area. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on April 27, 2025, and subsequently the release was assigned (Incident Number nAPP2511739290). The release impacted an area approximately 34,275 square feet (sq. ft.) in size on State Trust Land managed by the New Mexico State Land Office (NMSLO); the entire release remained on-pad. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, C-01899-POD1, located within a half-mile radius of the Site. The well had a reported depth to groundwater greater than 100 feet below ground surface (bgs) and a total depth of 101 feet bgs. A desktop review for potential Site receptors has been completed for this Site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is an intermittent dry wash located approximately 1.04 miles northwest of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene: 50 mg/kg, BTEX: 1,000 mg/kg TPH – Gasoline Range Organics (GRO) and TPH – Diesel Range Organics (DRO), Total TPH: 2,500 mg/kg, and chloride: 20,000 mg/kg.

Ensolum completed lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I (see Table 1 and Table 1-CONT'D) on May 7, 2025. Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador is scheduled to begin confirmation soil sampling activities at the Site on June 2, 2025, and intends to remove any impacts that exceed the Site Closure Criteria via mechanical equipment. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a regional depth to groundwater greater than 100 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number nAPP2511739290.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Jason Touchet](#)
To: eco@slo.state.nm.us
Cc: [Ashley Giovengo](#); [Chad Hamilton](#)
Subject: (2-day Sample Notification) Matador Production Company - Dagger Lake South TB (nAPP2511739290)-04-26-2025
Date: Thursday, June 5, 2025 8:16:43 AM

[**EXTERNAL EMAIL**]

Greetings

Matador Production Company (Matador) is submitting a 2-day confirmation sampling notification at the Dagger Lake South TB (Site) (Incident Number nAPP2511739290). The release occurred on April 26, 2025, and approximately 73 barrels (bbls) of crude oil were released on pad. Confirmation soil sampling will be conducted Monday June 9, 2025, through June 10, 2025, and will commence at 07:00 AM MST. The Site is located in Unit O, Section 08, Township 22S, Range 33E (32.40116,-103.59142). Approximately 86 confirmation floor samples will be collected from an excavation extent measuring 34,275 square feet. A Confirmation Sampling Variance was Approved by New Mexico Oil Conservation Division (NMOCD) on May 27, 2025.

Thanks,

Jason Touchet

EHS Specialist

Matador Resources Company

Cell: 337-652-3463

Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

From: [Jason Touchet](#)
To: eco@slo.state.nm.us
Cc: [Arsenio Jones](#); [Ashley Giovengo](#); [Chad Hamilton](#)
Subject: (2-day Sample Notification) Matador Production Company - Dagger Lake South TB (nAPP2511739290)-04-26-2025
Date: Thursday, May 29, 2025 11:39:44 AM

[**EXTERNAL EMAIL**]

Greetings

Matador Production Company (Matador) is submitting a 2-day confirmation sampling notification at the Dagger Lake South TB (Site) (Incident Number nAPP2511739290). The release occurred on April 26, 2025, and approximately 73 barrels (bbls) of crude oil were released on pad. Confirmation soil sampling will be conducted Monday June 3, 2025, through June 6, 2025, and will commence at 07:00 AM MST. The Site is located in Unit O, Section 08, Township 22S, Range 33E (32.40116,-103.59142). Approximately 86 confirmation floor samples will be collected from an excavation extent measuring 34,275 square feet. A Confirmation Sampling Variance was Approved by New Mexico Oil Conservation Division (NMOCD) on May 27, 2025.

Thanks,

Jason Touchet

EHS Specialist

Matador Resources Company

Cell: 337-652-3463

Email: jason.touchet@matadorresources.com

This message is strictly confidential and is for the sole use of the intended recipient. If you are not the intended recipient of this message, you may not disclose, print, copy, disseminate or otherwise use this message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.



APPENDIX E

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 South TB

Work Order: E505057

Job Number: 23003-0002

Received: 5/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/13/25

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: 5/13/25

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



Project Name: Dagger Lake South TB
Workorder: E505057
Date Received: 5/7/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2025 8:00:00AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
SS01-0'	6
SS01-1'	7
SS03-0'	8
SS03-1'	9
SS04-0'	10
SS04-1'	11
SS05-0'	12
SS05-1'	13
SS06-0'	14
SS06-1'	15
SS07-0'	16
SS07-1'	17
SS08-0'	18
SS08-1'	19
SS09-0'	20
SS09-1'	21
SS10-0'	22
SS10-1'	23
SS11-0'	24
SS11-1'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/13/25 10:23
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E505057-01A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS01-1'	E505057-02A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS03-0'	E505057-03A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS03-1'	E505057-04A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS04-0'	E505057-05A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS04-1'	E505057-06A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS05-0'	E505057-07A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS05-1'	E505057-08A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS06-0'	E505057-09A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS06-1'	E505057-10A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS07-0'	E505057-11A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS07-1'	E505057-12A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS08-0'	E505057-13A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS08-1'	E505057-14A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS09-0'	E505057-15A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS09-1'	E505057-16A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS10-0'	E505057-17A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS10-1'	E505057-18A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS11-0'	E505057-19A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.
SS11-1'	E505057-20A	Soil	05/05/25	05/07/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS01-0'

E505057-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.8 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	86.5 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	26.4	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS01-1'

E505057-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.7 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.6 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	97.3 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS03-0'

E505057-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.0 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	25.6	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	99.1 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS03-1'

E505057-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>99.1 %</i>	<i>70-130</i>		<i>05/07/25</i>	<i>05/07/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>90.6 %</i>	<i>70-130</i>		<i>05/07/25</i>	<i>05/07/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	<i>94.6 %</i>	<i>61-141</i>		<i>05/06/25</i>	<i>05/08/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS04-0'

E505057-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.9 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.1 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	97.6 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	42.6	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS04-1'

E505057-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.8 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.3 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	96.8 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	75.4	20.0	1	05/07/25	05/12/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS05-0'

E505057-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.9 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	99.2 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS05-1'

E505057-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.9 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.3 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	99.9 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS06-0'

E505057-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.3 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.1 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	100 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2025 10:23:36AM
---	--	-----------------------------------

SS06-1'

E505057-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID	97.7 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.2 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
Surrogate: n-Nonane	96.7 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS07-0'

E505057-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.6 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS07-1'

E505057-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.1 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.1 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	99.9 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS08-0'

E505057-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.6 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	102 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	22.8	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS08-1'

E505057-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519063
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID	97.2 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.2 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
Surrogate: n-Nonane	97.8 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2519081
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS09-0'

E505057-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.9 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.4 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	104 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	21.0	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS09-1'

E505057-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.1 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.0 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
<i>Surrogate: n-Nonane</i>	96.6 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS10-0'

E505057-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519063
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID	97.1 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2519058
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/08/25	
Surrogate: n-Nonane	101 %	61-141		05/06/25	05/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2519081
Chloride	39.5	20.0	1	05/07/25	05/08/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2025 10:23:36AM
---	--	--

SS10-1'

E505057-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	ND	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.7 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.0 %	70-130		05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/09/25	
<i>Surrogate: n-Nonane</i>	95.6 %	61-141		05/06/25	05/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS11-0'

E505057-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/08/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/08/25	
Toluene	ND	0.0250	1	05/07/25	05/08/25	
o-Xylene	ND	0.0250	1	05/07/25	05/08/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/08/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.5 %	70-130		05/07/25	05/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.8 %	70-130		05/07/25	05/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/09/25	
<i>Surrogate: n-Nonane</i>	98.6 %	61-141		05/06/25	05/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



Sample Data

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

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

Reported:
5/13/2025 10:23:36AM

SS11-1'

E505057-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Benzene	ND	0.0250	1	05/07/25	05/08/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/08/25	
Toluene	ND	0.0250	1	05/07/25	05/08/25	
o-Xylene	ND	0.0250	1	05/07/25	05/08/25	
p,m-Xylene	ND	0.0500	1	05/07/25	05/08/25	
Total Xylenes	ND	0.0250	1	05/07/25	05/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	05/07/25	05/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.3 %	70-130	05/07/25	05/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2519058	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/09/25	
<i>Surrogate: n-Nonane</i>		95.8 %	61-141	05/06/25	05/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2519081	
Chloride	ND	20.0	1	05/07/25	05/08/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2025 10:23:36AM

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 (2519063-BLK1) Prepared: 05/07/25 Analyzed: 05/07/25

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	7.49		8.00		93.6	70-130			

LCS (2519063-BS1) Prepared: 05/07/25 Analyzed: 05/07/25

Benzene	5.54	0.0250	5.00		111	70-130			
Ethylbenzene	5.44	0.0250	5.00		109	70-130			
Toluene	5.55	0.0250	5.00		111	70-130			
o-Xylene	5.36	0.0250	5.00		107	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.3	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

Matrix Spike (2519063-MS1) Source: E505057-08 Prepared: 05/07/25 Analyzed: 05/07/25

Benzene	6.11	0.0250	5.00	ND	122	70-130			
Ethylbenzene	5.96	0.0250	5.00	ND	119	70-130			
Toluene	6.04	0.0250	5.00	ND	121	70-130			
o-Xylene	5.85	0.0250	5.00	ND	117	70-130			
p,m-Xylene	12.0	0.0500	10.0	ND	120	70-130			
Total Xylenes	17.8	0.0250	15.0	ND	119	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2	70-130			

Matrix Spike Dup (2519063-MSD1) Source: E505057-08 Prepared: 05/07/25 Analyzed: 05/07/25

Benzene	5.89	0.0250	5.00	ND	118	70-130	3.63	27	
Ethylbenzene	5.75	0.0250	5.00	ND	115	70-130	3.59	26	
Toluene	5.83	0.0250	5.00	ND	117	70-130	3.62	20	
o-Xylene	5.65	0.0250	5.00	ND	113	70-130	3.58	25	
p,m-Xylene	11.6	0.0500	10.0	ND	116	70-130	3.43	23	
Total Xylenes	17.2	0.0250	15.0	ND	115	70-130	3.48	26	
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2025 10:23:36AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2519063-BLK1) Prepared: 05/07/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130			

LCS (2519063-BS2) Prepared: 05/07/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0		97.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			

Matrix Spike (2519063-MS2) Source: E505057-08 Prepared: 05/07/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			

Matrix Spike Dup (2519063-MSD2) Source: E505057-08 Prepared: 05/07/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.5	70-130	4.37	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 South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/13/2025 10:23:36AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2519058-BLK1)					Prepared: 05/06/25 Analyzed: 05/08/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.4		50.0		82.8	61-141			

LCS (2519058-BS1)					Prepared: 05/06/25 Analyzed: 05/08/25				
Diesel Range Organics (C10-C28)	254	25.0	250		102	66-144			
Surrogate: n-Nonane	47.6		50.0		95.1	61-141			

Matrix Spike (2519058-MS1)					Source: E505057-05		Prepared: 05/06/25 Analyzed: 05/08/25		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	49.6		50.0		99.2	61-141			

Matrix Spike Dup (2519058-MSD1)					Source: E505057-05		Prepared: 05/06/25 Analyzed: 05/08/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	7.37	20	
Surrogate: n-Nonane	49.6		50.0		99.2	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/13/2025 10:23:36AM
---	--	---------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2519081-BLK1)					Prepared: 05/07/25 Analyzed: 05/08/25				
Chloride	ND	20.0							
LCS (2519081-BS1)					Prepared: 05/07/25 Analyzed: 05/08/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2519081-MS1)					Source: E505057-06		Prepared: 05/07/25 Analyzed: 05/12/25		
Chloride	320	20.0	250	75.4	97.9	80-120			
Matrix Spike Dup (2519081-MSD1)					Source: E505057-06		Prepared: 05/07/25 Analyzed: 05/12/25		
Chloride	317	20.0	250	75.4	96.6	80-120	1.04	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/13/25 10:23

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

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

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



Chain of Custody

Page 1 of 2

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D		2D		3D		Std	
Project: <u>Dagger Lake South TB</u>				Address: 3122 National Parks Hwy				<u>E505057</u>		<u>2303-002</u>								X	
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														NM CO UT TX	
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information							Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCED 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
10:27	5/5/2025	S	1	SS01-0'		1						X					
10:34	5/5/2025	S	1	SS01-1'		2						X					
10:45	5/5/2025	S	1	SS03-0'		3						X					
10:50	5/5/2025	S	1	SS03-1'		4						X					
10:52	5/5/2025	S	1	SS04-0'		5						X					
10:54	5/5/2025	S	1	SS04-1'		6						X					
10:58	5/5/2025	S	1	SS05-0'		7						X					
11:09	5/5/2025	S	1	SS05-1'		8						X					
11:12	5/5/2025	S	1	SS06-0'		9						X					
11:16	5/5/2025	S	1	SS061'		10						X					

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Abounakar Kone

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5/6/25</u>	Time <u>7:11</u>	Received by: (Signature) <u>Marissa Gonzales</u>	Date <u>5-6-25</u>	Time <u>07:11</u>
Relinquished by: (Signature) <u>Marissa Gonzales</u>	Date <u>5-6-25</u>	Time <u>1730</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-6-25</u>	Time <u>1730</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-6-25</u>	Time <u>2400</u>	Received by: (Signature) <u>Carth Man</u>	Date <u>5-7-25</u>	Time <u>800</u>
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: ☒ Y ☐ N

T1 _____ T2 _____ T3 _____

AVG Temp °C _____

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

Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State			
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX
Project: Dagger Lake South TB				Address: 3122 National Parks Hwy		E505057	2303-002				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															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
11:20	5/5/2025	S	1	SS07-0'		11						X			3.7
11:24	5/5/2025	S	1	SS07-1'		12						X			2.8
11:56	5/5/2025	S	1	SS08-0'		13						X			3.1
12:02	5/5/2025	S	1	SS08-1'		14						X			3.6
12:05	5/5/2025	S	1	SS09-0'		15						X			2.9
12:10	5/5/2025	S	1	SS09-1'		16						X			2.6
11:28	5/5/2025	S	1	SS10-0'		17						X			2.0
11:34	5/5/2025	S	1	SS10-1'		18						X			2.4
11:38	5/5/2025	S	1	SS11-0'		19						X			3.0
11:42	5/5/2025	S	1	SS11-1'		20						X			3.1
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Aboubakar Kone															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____															
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															


envirotech

Envirotech Analytical Laboratory

Printed: 5/7/2025 11:55:24AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/07/25 08:00	Work Order ID:	E505057
Phone:	(972) 371-5200	Date Logged In:	05/06/25 14:51	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/13/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South TB

Work Order: E505089

Job Number: 23003-0002

Received: 5/8/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/14/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/14/25

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



Project Name: Dagger Lake South TB
Workorder: E505089
Date Received: 5/8/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2025 7:00:00AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
SS02-0'	6
SS02-1'	7
BH07-0'	8
BH07-1'	9
BH07-2'	10
BH06-0'	11
BH06-2'	12
BH06-3'	13
BH02-0'	14
BH02-1'	15
BH05-0'	16
BH05-1'	17
BH05-2'	18
BH01-0'	19
BH01-1'	20
BH01-2'	21
QC Summary Data	22
QC - Volatile Organics by EPA 8021B	22
QC - Nonhalogenated Organics by EPA 8015D - GRO	23
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	24

Table of Contents (continued)

QC - Anions by EPA 300.0/9056A	25
Definitions and Notes	26
Chain of Custody etc.	27

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/14/25 15:10
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02-0'	E505089-01A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
SS02-1'	E505089-02A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH07-0'	E505089-03A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH07-1'	E505089-04A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH07-2'	E505089-05A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH06-0'	E505089-06A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH06-2'	E505089-07A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH06-3'	E505089-08A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH02-0'	E505089-09A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH02-1'	E505089-10A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH05-0'	E505089-11A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH05-1'	E505089-12A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH05-2'	E505089-13A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH01-0'	E505089-14A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH01-1'	E505089-15A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BH01-2'	E505089-16A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

SS02-0'

E505089-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/12/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/12/25	
Toluene	ND	0.0250	1	05/08/25	05/12/25	
o-Xylene	ND	0.0250	1	05/08/25	05/12/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/12/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.6 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	31.9	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

SS02-1'

E505089-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/12/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/12/25	
Toluene	ND	0.0250	1	05/08/25	05/12/25	
o-Xylene	ND	0.0250	1	05/08/25	05/12/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/12/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	106 %	70-130		05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.9 %	70-130		05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		05/09/25	05/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH07-0'

E505089-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519103
Benzene	ND	0.0250	1	05/08/25	05/12/25	
Ethylbenzene	2.49	0.0250	1	05/08/25	05/12/25	
Toluene	0.883	0.0250	1	05/08/25	05/12/25	
o-Xylene	4.57	0.0250	1	05/08/25	05/12/25	
p,m-Xylene	9.09	0.0500	1	05/08/25	05/12/25	
Total Xylenes	13.7	0.0250	1	05/08/25	05/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		125 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	184	20.0	1	05/08/25	05/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519126
Diesel Range Organics (C10-C28)	12300	250	10	05/09/25	05/12/25	T9
Oil Range Organics (C28-C36)	4090	500	10	05/09/25	05/12/25	
<i>Surrogate: n-Nonane</i>						
		185 %	61-141	05/09/25	05/12/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2520013
Chloride	39.0	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH07-1'

E505089-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/14/25	
Toluene	ND	0.0250	1	05/08/25	05/14/25	
o-Xylene	ND	0.0250	1	05/08/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.5 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/12/25	
Oil Range Organics (C28-C36)	59.4	50.0	1	05/09/25	05/12/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2025 3:10:46PM
---	--	----------------------------------

BH07-2'

E505089-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/12/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/12/25	
Toluene	ND	0.0250	1	05/08/25	05/12/25	
o-Xylene	ND	0.0250	1	05/08/25	05/12/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/12/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/12/25	
Surrogate: 4-Bromochlorobenzene-PID	105 %	70-130		05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.2 %	70-130		05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
Surrogate: n-Nonane	107 %	61-141		05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH06-0'

E505089-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/12/25	
Ethylbenzene	8.90	0.0250	1	05/08/25	05/12/25	
Toluene	5.52	0.0250	1	05/08/25	05/12/25	
o-Xylene	11.1	0.0250	1	05/08/25	05/12/25	
p,m-Xylene	25.3	0.0500	1	05/08/25	05/12/25	
Total Xylenes	36.3	0.0250	1	05/08/25	05/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	119 %	70-130		05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	366	20.0	1	05/08/25	05/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	114 %	70-130		05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	20400	250	10	05/09/25	05/12/25	T9
Oil Range Organics (C28-C36)	7330	500	10	05/09/25	05/12/25	
<i>Surrogate: n-Nonane</i>						
	298 %	61-141		05/09/25	05/12/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH06-2'

E505089-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/12/25	
Ethylbenzene	0.0446	0.0250	1	05/08/25	05/12/25	
Toluene	ND	0.0250	1	05/08/25	05/12/25	
o-Xylene	0.0730	0.0250	1	05/08/25	05/12/25	
p,m-Xylene	0.162	0.0500	1	05/08/25	05/12/25	
Total Xylenes	0.234	0.0250	1	05/08/25	05/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.4 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	575	25.0	1	05/09/25	05/12/25	
Oil Range Organics (C28-C36)	283	50.0	1	05/09/25	05/12/25	
<i>Surrogate: n-Nonane</i>		99.4 %	61-141	05/09/25	05/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	531	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH06-3'

E505089-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/13/25	
Toluene	ND	0.0250	1	05/08/25	05/13/25	
o-Xylene	ND	0.0250	1	05/08/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.8 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/12/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	05/09/25	05/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH02-0'

E505089-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	0.0333	0.0250	1	05/08/25	05/14/25	
Ethylbenzene	3.71	0.0250	1	05/08/25	05/14/25	
Toluene	2.29	0.0250	1	05/08/25	05/14/25	
o-Xylene	5.37	0.0250	1	05/08/25	05/14/25	
p,m-Xylene	11.5	0.0500	1	05/08/25	05/14/25	
Total Xylenes	16.8	0.0250	1	05/08/25	05/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		114 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	160	20.0	1	05/08/25	05/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.3 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	8330	25.0	1	05/09/25	05/12/25	T9
Oil Range Organics (C28-C36)	2910	50.0	1	05/09/25	05/12/25	
<i>Surrogate: n-Nonane</i>						
		206 %	61-141	05/09/25	05/12/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH02-1'

E505089-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/12/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/12/25	
Toluene	ND	0.0250	1	05/08/25	05/12/25	
o-Xylene	ND	0.0250	1	05/08/25	05/12/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/12/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	57.4	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		05/09/25	05/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH05-0'

E505089-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519103
Benzene	0.191	0.0250	1	05/08/25	05/13/25	
Ethylbenzene	10.3	0.0250	1	05/08/25	05/13/25	
Toluene	14.2	0.0250	1	05/08/25	05/13/25	
o-Xylene	11.4	0.0250	1	05/08/25	05/13/25	
p,m-Xylene	27.0	0.0500	1	05/08/25	05/13/25	
Total Xylenes	38.3	0.0250	1	05/08/25	05/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	431	20.0	1	05/08/25	05/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		118 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519126
Diesel Range Organics (C10-C28)	13300	250	10	05/09/25	05/13/25	T9
Oil Range Organics (C28-C36)	4220	500	10	05/09/25	05/13/25	
<i>Surrogate: n-Nonane</i>						
		275 %	61-141	05/09/25	05/13/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2520013
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH05-1'

E505089-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/13/25	
Toluene	ND	0.0250	1	05/08/25	05/13/25	
o-Xylene	ND	0.0250	1	05/08/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.1 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/12/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	05/09/25	05/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH05-2'

E505089-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/13/25	
Toluene	ND	0.0250	1	05/08/25	05/13/25	
o-Xylene	ND	0.0250	1	05/08/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.7 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	26.9	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH01-0'

E505089-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/14/25	
Ethylbenzene	2.01	0.0250	1	05/08/25	05/14/25	
Toluene	0.676	0.0250	1	05/08/25	05/14/25	
o-Xylene	3.28	0.0250	1	05/08/25	05/14/25	
p,m-Xylene	6.71	0.0500	1	05/08/25	05/14/25	
Total Xylenes	9.99	0.0250	1	05/08/25	05/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		114 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	86.7	20.0	1	05/08/25	05/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.1 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	3860	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	1440	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>						
		131 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH01-1'

E505089-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/13/25	
Toluene	ND	0.0250	1	05/08/25	05/13/25	
o-Xylene	ND	0.0250	1	05/08/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.5 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	55.8	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



Sample Data

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

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

Reported:
5/14/2025 3:10:46PM

BH01-2'

E505089-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Benzene	ND	0.0250	1	05/08/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/13/25	
Toluene	ND	0.0250	1	05/08/25	05/13/25	
o-Xylene	ND	0.0250	1	05/08/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2519103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.3 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519126	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520013	
Chloride	ND	20.0	1	05/12/25	05/12/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/14/2025 3:10:46PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2519103-BLK1)

Prepared: 05/08/25 Analyzed: 05/12/25

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	8.40		8.00		105	70-130			

LCS (2519103-BS1)

Prepared: 05/08/25 Analyzed: 05/12/25

Benzene	4.85	0.0250	5.00		97.0	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.2	70-130			
Toluene	4.82	0.0250	5.00		96.5	70-130			
o-Xylene	4.82	0.0250	5.00		96.4	70-130			
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130			
Total Xylenes	14.3	0.0250	15.0		95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.69		8.00		109	70-130			

Matrix Spike (2519103-MS1)

Source: E505089-05

Prepared: 05/08/25 Analyzed: 05/12/25

Benzene	5.38	0.0250	5.00	ND	108	70-130			
Ethylbenzene	5.39	0.0250	5.00	ND	108	70-130			
Toluene	5.36	0.0250	5.00	ND	107	70-130			
o-Xylene	5.34	0.0250	5.00	ND	107	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	8.35		8.00		104	70-130			

Matrix Spike Dup (2519103-MSD1)

Source: E505089-05

Prepared: 05/08/25 Analyzed: 05/12/25

Benzene	5.16	0.0250	5.00	ND	103	70-130	4.20	27	
Ethylbenzene	5.19	0.0250	5.00	ND	104	70-130	3.80	26	
Toluene	5.14	0.0250	5.00	ND	103	70-130	4.16	20	
o-Xylene	5.15	0.0250	5.00	ND	103	70-130	3.62	25	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	3.77	23	
Total Xylenes	15.2	0.0250	15.0	ND	102	70-130	3.72	26	
Surrogate: 4-Bromochlorobenzene-PID	8.38		8.00		105	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/14/2025 3:10:46PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2519103-BLK1) Prepared: 05/08/25 Analyzed: 05/12/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.1	70-130			

LCS (2519103-BS2) Prepared: 05/08/25 Analyzed: 05/12/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.7	70-130			

Matrix Spike (2519103-MS2) Source: E505089-05 Prepared: 05/08/25 Analyzed: 05/12/25

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2519103-MSD2) Source: E505089-05 Prepared: 05/08/25 Analyzed: 05/12/25

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.9	70-130	14.1	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2025 3:10:46PM
---	--	----------------------------------

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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

Blank (2519126-BLK1)

Prepared: 05/09/25 Analyzed: 05/10/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	61-141			

LCS (2519126-BS1)

Prepared: 05/09/25 Analyzed: 05/10/25

Diesel Range Organics (C10-C28)	276	25.0	250		110	66-144			
Surrogate: n-Nonane	52.0		50.0		104	61-141			

Matrix Spike (2519126-MS1)

Source: E505089-05

Prepared: 05/09/25 Analyzed: 05/10/25

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	56-156			
Surrogate: n-Nonane	52.8		50.0		106	61-141			

Matrix Spike Dup (2519126-MSD1)

Source: E505089-05

Prepared: 05/09/25 Analyzed: 05/10/25

Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	56-156	0.827	20	
Surrogate: n-Nonane	52.9		50.0		106	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/14/2025 3:10:46PM
---	--	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2520013-BLK1)					Prepared: 05/12/25 Analyzed: 05/12/25				
Chloride	ND	20.0							
LCS (2520013-BS1)					Prepared: 05/12/25 Analyzed: 05/12/25				
Chloride	265	20.0	250		106	90-110			
Matrix Spike (2520013-MS1)					Source: E505089-06		Prepared: 05/12/25 Analyzed: 05/12/25		
Chloride	277	20.0	250	ND	111	80-120			
Matrix Spike Dup (2520013-MSD1)					Source: E505089-06		Prepared: 05/12/25 Analyzed: 05/12/25		
Chloride	276	20.0	250	ND	110	80-120	0.427	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/14/25 15:10

- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- T9 DRO includes undifferentiated early eluting analytes characteristic of GRO.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: <u>Daygo Lake South TB</u>				Address: 3122 National Parks Hwy		<u>ES05089</u>		<u>23003002</u>					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: <u>agiovengo@ensolum.com</u>													
Phone: 575-988-0055				Miscellaneous:													
Email: <u>agiovengo@ensolum.com</u>																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
14:06	5/6/2025	S	1	SS02-0'		1						X					
14:16	5/6/2025	S	1	SS02-1'		2						X					
11:17	5/6/2025	S	1	BH07-0'		3						X					
11:27	5/6/2025	S	1	BH07-1'		4						X					
11:29	5/6/2025	S	1	BH07-2'		5						X					
12:26	5/6/2025	S	1	BH06-0'		6						X					
12:40	5/6/2025	S	1	BH06-2'		7						X					
12:45	5/6/2025	S	1	BH06-3'		8						X					
15:01	5/6/2025	S	1	BH02-0'		9						X					
15:04	5/6/2025	S	1	BH02-1'		10						X					
Additional Instructions: Please CC: <u>cburton@ensolum.com</u> , <u>agiovengo@ensolum.com</u> , <u>chamilton@ensolum.com</u> , <u>iestrella@ensolum.com</u> , <u>bsimmons@ensolum.com</u> , <u>gonzalez@ensolum.com</u> , <u>bmoir@ensolum.com</u> , <u>oaderinto@ensolum.com</u>																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: <u>Aboukabar kone</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>(Y)</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____									
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

Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E 565089		Job Number 23003-0002		1D	2D	3D	Std	NM	CO	UT	TX
Project: Dagger Lake South TB				Address: 3122 National Parks Hwy									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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
13:33	5/6/2025	S	1	BH05-0'		11						X					
13:37	5/6/2025	S	1	BH05-1'		12						X					
13:40	5/6/2025	S	1	BH05-2'		13						X					
14:48	5/6/2025	S	1	BH01-0'		14						X					
14:52	5/6/2025	S	1	BH01-1'		15						X					
14:43	5/6/2025	S	1	BH01-2'		16						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: _____ Aboubakar kone Relinquished by: (Signature) _____ Date 5/7/25 Time 7:11 Relinquished by: (Signature) Michelle Gonzales Date 5-7-25 Time 1530 Relinquished by: (Signature) _____ Date 5-7-25 Time 2200 Relinquished by: (Signature) _____ Date _____ Time _____																	
Received by: (Signature) _____ Date 5-7-25 Time 0711 Received by: (Signature) _____ Date 5-7-25 Time 1530 Received by: (Signature) Caitlynn Date 5-8-25 Time 700 Received by: (Signature) _____ Date _____ Time _____																	
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____																	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

Envirotech Analytical Laboratory

Printed: 5/8/2025 12:28:13PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/08/25 07:00	Work Order ID:	E505089
Phone:	(972) 371-5200	Date Logged In:	05/07/25 14:57	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/14/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

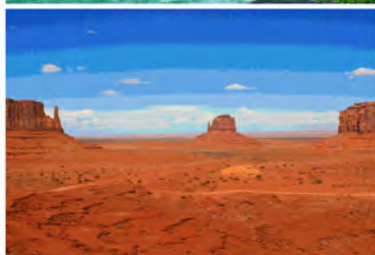
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South TB

Work Order: E505109

Job Number: 23003-0002

Received: 5/9/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/25

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: 5/15/25



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

Project Name: Dagger Lake South TB
Workorder: E505109
Date Received: 5/9/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/9/2025 7:00:00AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH03-0'	5
BH03-1'	6
BH03-2'	7
BH04-0'	8
BH04-1'	9
BH04-2'	10
QC Summary Data	11
QC - Volatile Organic Compounds by EPA8260B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/15/25 11:01
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-0'	E505109-01A	Soil	05/07/25	05/09/25	Glass Jar, 2 oz.
BH03-1'	E505109-02A	Soil	05/07/25	05/09/25	Glass Jar, 2 oz.
BH03-2'	E505109-03A	Soil	05/07/25	05/09/25	Glass Jar, 2 oz.
BH04-0'	E505109-04A	Soil	05/07/25	05/09/25	Glass Jar, 2 oz.
BH04-1'	E505109-05A	Soil	05/07/25	05/09/25	Glass Jar, 2 oz.
BH04-2'	E505109-06A	Soil	05/07/25	05/09/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/15/2025 11:01:52AM
---	--	--

BH03-0'

E505109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Benzene	0.995	0.250	10	05/09/25	05/13/25	
Ethylbenzene	4.45	0.250	10	05/09/25	05/13/25	
Toluene	13.3	0.250	10	05/09/25	05/13/25	
o-Xylene	4.45	0.250	10	05/09/25	05/13/25	
p,m-Xylene	11.5	0.500	10	05/09/25	05/13/25	
Total Xylenes	15.9	0.250	10	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	99.7 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	101 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Gasoline Range Organics (C6-C10)	295	200	10	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	99.7 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	101 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519163
Diesel Range Organics (C10-C28)	26100	500	20	05/09/25	05/14/25	T9
Oil Range Organics (C28-C36)	12000	1000	20	05/09/25	05/14/25	
Surrogate: n-Nonane	181 %	61-141		05/09/25	05/14/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520027
Chloride	188	20.0	1	05/12/25	05/13/25	



Sample Data

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

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

Reported:
5/15/2025 11:01:52AM

BH03-1'

E505109-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Benzene	ND	0.0250	1	05/09/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/09/25	05/13/25	
Toluene	ND	0.0250	1	05/09/25	05/13/25	
o-Xylene	ND	0.0250	1	05/09/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/09/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	99.7 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	100 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	99.7 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	100 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519163
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/14/25	
Surrogate: n-Nonane	93.1 %	61-141		05/09/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520027
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

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

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

Reported:
5/15/2025 11:01:52AM

BH03-2'

E505109-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Benzene	ND	0.0250	1	05/09/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/09/25	05/13/25	
Toluene	ND	0.0250	1	05/09/25	05/13/25	
o-Xylene	ND	0.0250	1	05/09/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/09/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	102 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	102 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519163
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/14/25	
Surrogate: n-Nonane	103 %	61-141		05/09/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520027
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

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

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

Reported:
5/15/2025 11:01:52AM

BH04-0'

E505109-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Benzene	ND	0.0250	1	05/09/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/09/25	05/13/25	
Toluene	ND	0.0250	1	05/09/25	05/13/25	
o-Xylene	ND	0.0250	1	05/09/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/09/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	98.0 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	97.2 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	98.0 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	97.2 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519163
Diesel Range Organics (C10-C28)	37.4	25.0	1	05/09/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/14/25	
Surrogate: n-Nonane	104 %	61-141		05/09/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520027
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

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

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

Reported:
5/15/2025 11:01:52AM

BH04-1'

E505109-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Benzene	ND	0.0250	1	05/09/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/09/25	05/13/25	
Toluene	ND	0.0250	1	05/09/25	05/13/25	
o-Xylene	ND	0.0250	1	05/09/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/09/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	98.3 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	100 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	98.3 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	100 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519163
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/14/25	
Surrogate: n-Nonane	101 %	61-141		05/09/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520027
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

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

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

Reported:
5/15/2025 11:01:52AM

BH04-2'

E505109-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Benzene	ND	0.0250	1	05/09/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/09/25	05/13/25	
Toluene	ND	0.0250	1	05/09/25	05/13/25	
o-Xylene	ND	0.0250	1	05/09/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/09/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	97.5 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	100 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2519140
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/25	05/13/25	
Surrogate: Bromofluorobenzene	97.5 %	70-130		05/09/25	05/13/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		05/09/25	05/13/25	
Surrogate: Toluene-d8	100 %	70-130		05/09/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519163
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/14/25	
Surrogate: n-Nonane	102 %	61-141		05/09/25	05/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2520027
Chloride	ND	20.0	1	05/12/25	05/13/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 11:01:52AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2519140-BLK1)					Prepared: 05/09/25 Analyzed: 05/12/25				
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	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			

LCS (2519140-BS1)					Prepared: 05/09/25 Analyzed: 05/12/25				
Benzene	2.34	0.0250	2.50		93.7	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.0	70-130			
Toluene	2.27	0.0250	2.50		90.8	70-130			
o-Xylene	2.26	0.0250	2.50		90.4	70-130			
p,m-Xylene	4.52	0.0500	5.00		90.5	70-130			
Total Xylenes	6.79	0.0250	7.50		90.5	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

Matrix Spike (2519140-MS1)					Source: E505109-05	Prepared: 05/09/25 Analyzed: 05/13/25			
Benzene	2.59	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135			
Toluene	2.57	0.0250	2.50	ND	103	48-130			
o-Xylene	2.58	0.0250	2.50	ND	103	43-135			
p,m-Xylene	5.17	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.75	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

Matrix Spike Dup (2519140-MSD1)					Source: E505109-05	Prepared: 05/09/25 Analyzed: 05/13/25			
Benzene	2.48	0.0250	2.50	ND	99.0	48-131	4.37	23	
Ethylbenzene	2.43	0.0250	2.50	ND	97.1	45-135	7.83	27	
Toluene	2.37	0.0250	2.50	ND	94.7	48-130	8.06	24	
o-Xylene	2.39	0.0250	2.50	ND	95.7	43-135	7.56	27	
p,m-Xylene	4.83	0.0500	5.00	ND	96.5	43-135	6.85	27	
Total Xylenes	7.22	0.0250	7.50	ND	96.3	43-135	7.09	27	
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 11:01:52AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2519140-BLK1)

Prepared: 05/09/25 Analyzed: 05/12/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			

LCS (2519140-BS2)

Prepared: 05/09/25 Analyzed: 05/13/25

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike (2519140-MS2)

Source: E505109-05

Prepared: 05/09/25 Analyzed: 05/13/25

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

Matrix Spike Dup (2519140-MSD2)

Source: E505109-05

Prepared: 05/09/25 Analyzed: 05/13/25

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	5.31	20	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 11:01:52AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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

Blank (2519163-BLK1)					Prepared: 05/09/25 Analyzed: 05/13/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.1		50.0		102	61-141			

LCS (2519163-BS1)					Prepared: 05/09/25 Analyzed: 05/13/25				
Diesel Range Organics (C10-C28)	284	25.0	250		114	66-144			
Surrogate: n-Nonane	51.8		50.0		104	61-141			

Matrix Spike (2519163-MS1)					Source: E505106-01		Prepared: 05/09/25 Analyzed: 05/13/25		
Diesel Range Organics (C10-C28)	375	25.0	250	70.7	122	56-156			
Surrogate: n-Nonane	51.2		50.0		102	61-141			

Matrix Spike Dup (2519163-MSD1)					Source: E505106-01		Prepared: 05/09/25 Analyzed: 05/13/25		
Diesel Range Organics (C10-C28)	357	25.0	250	70.7	114	56-156	4.99	20	
Surrogate: n-Nonane	51.7		50.0		103	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/15/2025 11:01:52AM
---	--	---------------------------------------

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2520027-BLK1)					Prepared: 05/12/25 Analyzed: 05/13/25				
Chloride	ND	20.0							
LCS (2520027-BS1)					Prepared: 05/12/25 Analyzed: 05/13/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2520027-MS1)					Source: E505098-03		Prepared: 05/12/25 Analyzed: 05/14/25		
Chloride	787	20.0	250	598	75.4	80-120			M2
Matrix Spike Dup (2520027-MSD1)					Source: E505098-03		Prepared: 05/12/25 Analyzed: 05/13/25		
Chloride	851	20.0	250	598	101	80-120	7.86	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/15/25 11:01

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- T9 DRO includes undifferentiated early eluting analytes characteristic of GRO.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

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: Dagger Lake South TB				Address: 3122 National Parks Hwy		E505109	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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
9:17	5/7/2025	S	1	BH03-0'		1						X						
9:23	5/7/2025	S	1	BH03-1'		2						X						
9:25	5/7/2025	S	1	BH03-2'		3						X						
9:00	5/7/2025	S	1	BH04-0'		4						X						
9:05	5/7/2025	S	1	BH04-1'		5						X						
9:07	5/7/2025	S	1	BH04-2'		6						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Chad Hamilton AK: HG																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____										
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: 5/9/2025 7:41:30AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/09/25 07:00	Work Order ID:	E505109
Phone:	(972) 371-5200	Date Logged In:	05/08/25 14:55	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	05/15/25 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 South TB

Work Order: E506036

Job Number: 23003-0002

Received: 6/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/11/25

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: 6/11/25

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



Project Name: Dagger Lake South TB
Workorder: E506036
Date Received: 6/6/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2025 6:45:00AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS54-0'	5
FS55-0'	6
FS56-0'	7
FS57-0'	8
FS58-0'	9
FS59-0'	10
FS60-0'	11
FS46-0'	12
FS47-0'	13
QC Summary Data	14
QC - Volatile Organics by EPA 8021B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19

Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Dagger Lake South TB

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

06/11/25 13:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS54-0'	E506036-01A	Soil	06/03/25	06/06/25	Glass Jar, 2 oz.
FS55-0'	E506036-02A	Soil	06/03/25	06/06/25	Glass Jar, 2 oz.
FS56-0'	E506036-03A	Soil	06/03/25	06/06/25	Glass Jar, 2 oz.
FS57-0'	E506036-04A	Soil	06/03/25	06/06/25	Glass Jar, 2 oz.
FS58-0'	E506036-05A	Soil	06/03/25	06/06/25	Glass Jar, 2 oz.
FS59-0'	E506036-06A	Soil	06/03/25	06/06/25	Glass Jar, 2 oz.
FS60-0'	E506036-07A	Soil	06/03/25	06/06/25	Glass Jar, 2 oz.
FS46-0'	E506036-08A	Soil	06/03/25	06/06/25	Glass Jar, 2 oz.
FS47-0'	E506036-09A	Soil	06/03/25	06/06/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/11/2025 1:05:16PM

FS54-0'

E506036-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523154	
Benzene	ND	0.0250	1	06/06/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/08/25	
Toluene	ND	0.0250	1	06/06/25	06/08/25	
o-Xylene	ND	0.0250	1	06/06/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523154	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		110 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2523139	
Diesel Range Organics (C10-C28)	233	25.0	1	06/06/25	06/09/25	
Oil Range Organics (C28-C36)	206	50.0	1	06/06/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
		124 %	61-141	06/06/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523153	
Chloride	ND	20.0	1	06/06/25	06/06/25	



Sample Data

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

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

Reported:
6/11/2025 1:05:16PM

FS55-0'

E506036-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523154
Benzene	ND	0.0250	1	06/06/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/08/25	
Toluene	ND	0.0250	1	06/06/25	06/08/25	
o-Xylene	ND	0.0250	1	06/06/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523139
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
		126 %	61-141	06/06/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523153
Chloride	ND	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/11/2025 1:05:16PM
---	--	---

FS56-0'

E506036-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523154	
Benzene	ND	0.0250	1	06/06/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/08/25	
Toluene	ND	0.0250	1	06/06/25	06/08/25	
o-Xylene	ND	0.0250	1	06/06/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523154	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2523139	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/09/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	06/06/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523153	
Chloride	ND	20.0	1	06/06/25	06/07/25	



Sample Data

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

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

Reported:
6/11/2025 1:05:16PM

FS57-0'

E506036-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523154
Benzene	ND	0.0250	1	06/06/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/08/25	
Toluene	ND	0.0250	1	06/06/25	06/08/25	
o-Xylene	ND	0.0250	1	06/06/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523139
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
		125 %	61-141	06/06/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523153
Chloride	ND	20.0	1	06/06/25	06/07/25	



Sample Data

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

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

Reported:
6/11/2025 1:05:16PM

FS58-0'

E506036-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523154
Benzene	ND	0.0250	1	06/06/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/08/25	
Toluene	ND	0.0250	1	06/06/25	06/08/25	
o-Xylene	ND	0.0250	1	06/06/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523139
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/10/25	
<i>Surrogate: n-Nonane</i>						
		125 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523153
Chloride	28.1	20.0	1	06/06/25	06/07/25	



Sample Data

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

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

Reported:
6/11/2025 1:05:16PM

FS59-0'

E506036-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523154
Benzene	ND	0.0250	1	06/06/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/08/25	
Toluene	ND	0.0250	1	06/06/25	06/08/25	
o-Xylene	ND	0.0250	1	06/06/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523139
Diesel Range Organics (C10-C28)	787	25.0	1	06/06/25	06/10/25	
Oil Range Organics (C28-C36)	774	50.0	1	06/06/25	06/10/25	
<i>Surrogate: n-Nonane</i>						
	121 %	61-141		06/06/25	06/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523153
Chloride	ND	20.0	1	06/06/25	06/06/25	



Sample Data

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

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

Reported:
6/11/2025 1:05:16PM

FS60-0'

E506036-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523154	
Benzene	ND	0.0250	1	06/06/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/08/25	
Toluene	ND	0.0250	1	06/06/25	06/08/25	
o-Xylene	ND	0.0250	1	06/06/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523154	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2523139	
Diesel Range Organics (C10-C28)	532	25.0	1	06/06/25	06/10/25	
Oil Range Organics (C28-C36)	537	50.0	1	06/06/25	06/10/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523153	
Chloride	ND	20.0	1	06/06/25	06/07/25	



Sample Data

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

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

Reported:
6/11/2025 1:05:16PM

FS46-0'

E506036-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523154	
Benzene	ND	0.0250	1	06/06/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/08/25	
Toluene	ND	0.0250	1	06/06/25	06/08/25	
o-Xylene	ND	0.0250	1	06/06/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	70-130		06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523154	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	110 %	70-130		06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2523139	
Diesel Range Organics (C10-C28)	742	25.0	1	06/06/25	06/10/25	
Oil Range Organics (C28-C36)	695	50.0	1	06/06/25	06/10/25	
<i>Surrogate: n-Nonane</i>	120 %	61-141		06/06/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523153	
Chloride	ND	20.0	1	06/06/25	06/07/25	



Sample Data

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

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

Reported:
6/11/2025 1:05:16PM

FS47-0'

E506036-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523154
Benzene	ND	0.0250	1	06/06/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/08/25	
Toluene	ND	0.0250	1	06/06/25	06/08/25	
o-Xylene	ND	0.0250	1	06/06/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523139
Diesel Range Organics (C10-C28)	158	25.0	1	06/06/25	06/10/25	
Oil Range Organics (C28-C36)	170	50.0	1	06/06/25	06/10/25	
<i>Surrogate: n-Nonane</i>						
		113 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523153
Chloride	21.5	20.0	1	06/06/25	06/07/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 1:05:16PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2523154-BLK1) Prepared: 06/06/25 Analyzed: 06/08/25

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	8.19		8.00		102	70-130			

LCS (2523154-BS1) Prepared: 06/06/25 Analyzed: 06/08/25

Benzene	4.64	0.0250	5.00		92.7	70-130			
Ethylbenzene	4.64	0.0250	5.00		92.9	70-130			
Toluene	4.64	0.0250	5.00		92.9	70-130			
o-Xylene	4.67	0.0250	5.00		93.3	70-130			
p,m-Xylene	9.45	0.0500	10.0		94.5	70-130			
Total Xylenes	14.1	0.0250	15.0		94.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

Matrix Spike (2523154-MS1) Source: E506036-06 Prepared: 06/06/25 Analyzed: 06/08/25

Benzene	5.06	0.0250	5.00	ND	101	70-130			
Ethylbenzene	5.09	0.0250	5.00	ND	102	70-130			
Toluene	5.07	0.0250	5.00	ND	101	70-130			
o-Xylene	5.05	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2523154-MSD1) Source: E506036-06 Prepared: 06/06/25 Analyzed: 06/09/25

Benzene	4.71	0.0250	5.00	ND	94.2	70-130	7.13	27	
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	70-130	6.27	26	
Toluene	4.76	0.0250	5.00	ND	95.3	70-130	6.31	20	
o-Xylene	4.78	0.0250	5.00	ND	95.7	70-130	5.42	25	
p,m-Xylene	9.71	0.0500	10.0	ND	97.1	70-130	6.13	23	
Total Xylenes	14.5	0.0250	15.0	ND	96.6	70-130	5.90	26	
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 1:05:16PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2523154-BLK1) Prepared: 06/06/25 Analyzed: 06/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.83		8.00		110	70-130			

LCS (2523154-BS2) Prepared: 06/06/25 Analyzed: 06/08/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.86		8.00		111	70-130			

Matrix Spike (2523154-MS2) Source: E506036-06 Prepared: 06/06/25 Analyzed: 06/08/25

Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.69		8.00		109	70-130			

Matrix Spike Dup (2523154-MSD2) Source: E506036-06 Prepared: 06/06/25 Analyzed: 06/08/25

Gasoline Range Organics (C6-C10)	57.1	20.0	50.0	ND	114	70-130	1.15	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.79		8.00		110	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 1:05:16PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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

Blank (2523139-BLK1)					Prepared: 06/06/25 Analyzed: 06/09/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.0		50.0		118	61-141			

LCS (2523139-BS1)					Prepared: 06/06/25 Analyzed: 06/09/25				
Diesel Range Organics (C10-C28)	307	25.0	250		123	66-144			
Surrogate: n-Nonane	59.1		50.0		118	61-141			

Matrix Spike (2523139-MS1)					Source: E506036-07		Prepared: 06/06/25 Analyzed: 06/10/25		
Diesel Range Organics (C10-C28)	784	25.0	250	532	101	56-156			
Surrogate: n-Nonane	60.8		50.0		122	61-141			

Matrix Spike Dup (2523139-MSD1)					Source: E506036-07		Prepared: 06/06/25 Analyzed: 06/10/25		
Diesel Range Organics (C10-C28)	830	25.0	250	532	119	56-156	5.71	20	
Surrogate: n-Nonane	58.8		50.0		118	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/11/2025 1:05:16PM
---	--	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2523153-BLK1)					Prepared: 06/06/25 Analyzed: 06/06/25				
Chloride	ND	20.0							
LCS (2523153-BS1)					Prepared: 06/06/25 Analyzed: 06/06/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2523153-MS1)					Source: E506036-06		Prepared: 06/06/25 Analyzed: 06/06/25		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523153-MSD1)					Source: E506036-06		Prepared: 06/06/25 Analyzed: 06/06/25		
Chloride	255	20.0	250	ND	102	80-120	0.131	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/11/25 13:05

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

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

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



Chain of Custody

Page 1 of 2

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D		2D		3D		Std	
Project: Dagger Lake South TB				Address: 3122 National Parks Hwy				ES06036		23003-0002								X	
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information								Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		SDWA	CWA	RCRA
11:10	6/3/2025	S	1	FS54-0'		1							X						
10:59	6/3/2025	S	1	FS55-0'		2							X						
10:51	6/3/2025	S	1	FS56-0'		3							X						
10:50	6/3/2025	S	1	FS57-0'		4							X						
10:48	6/3/2025	S	1	FS58-0'		5							X						
10:53	6/3/2025	S	1	FS59-0'		6							X						
10:56	6/3/2025	S	1	FS60-0'		7							X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: AK, JM																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____							
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.																			



Chain of Custody

[illegible]

Envirotech Analytical Laboratory

Printed: 6/6/2025 9:11:44AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/06/25 06:45	Work Order ID:	E506036
Phone:	(972) 371-5200	Date Logged In:	06/05/25 15:12	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/12/25 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 South TB

Work Order: E506037

Job Number: 23003-0002

Received: 6/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/11/25

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: 6/11/25

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



Project Name: Dagger Lake South TB
Workorder: E506037
Date Received: 6/6/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2025 6:45:00AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS24-0.5'	5
FS53-0'	6
FS61-0'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/11/25 12:10
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS24-0.5'	E506037-01A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
FS53-0'	E506037-02A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
FS61-0'	E506037-03A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/11/2025 12:10:50PM

FS24-0.5'

E506037-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523141	
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523141	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2523139	
Diesel Range Organics (C10-C28)	128	25.0	1	06/06/25	06/10/25	
Oil Range Organics (C28-C36)	75.1	50.0	1	06/06/25	06/10/25	
<i>Surrogate: n-Nonane</i>		118 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523140	
Chloride	29.3	20.0	1	06/06/25	06/06/25	



Sample Data

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

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

Reported:
6/11/2025 12:10:50PM

FS53-0'

E506037-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523141
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523141
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.6 %	70-130		06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523139
Diesel Range Organics (C10-C28)	36.2	25.0	1	06/06/25	06/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/10/25	
<i>Surrogate: n-Nonane</i>						
	124 %	61-141		06/06/25	06/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523140
Chloride	26.0	20.0	1	06/06/25	06/06/25	



Sample Data

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

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

Reported:
6/11/2025 12:10:50PM

FS61-0'

E506037-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523141
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523141
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523139
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/10/25	
<i>Surrogate: n-Nonane</i>						
	120 %	61-141		06/06/25	06/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523140
Chloride	ND	20.0	1	06/06/25	06/06/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 12:10:50PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2523141-BLK1)

Prepared: 06/06/25 Analyzed: 06/06/25

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	7.11		8.00		88.9	70-130			

LCS (2523141-BS1)

Prepared: 06/06/25 Analyzed: 06/06/25

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.98	0.0250	5.00		99.6	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

Matrix Spike (2523141-MS1)

Source: E506032-03

Prepared: 06/06/25 Analyzed: 06/06/25

Benzene	5.20	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.13	0.0250	5.00	ND	103	70-130			
Toluene	5.18	0.0250	5.00	ND	104	70-130			
o-Xylene	5.10	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.5	70-130			

Matrix Spike Dup (2523141-MSD1)

Source: E506032-03

Prepared: 06/06/25 Analyzed: 06/06/25

Benzene	5.90	0.0250	5.00	ND	118	70-130	12.5	27	
Ethylbenzene	5.82	0.0250	5.00	ND	116	70-130	12.6	26	
Toluene	5.87	0.0250	5.00	ND	117	70-130	12.5	20	
o-Xylene	5.78	0.0250	5.00	ND	116	70-130	12.4	25	
p,m-Xylene	11.8	0.0500	10.0	ND	118	70-130	12.4	23	
Total Xylenes	17.5	0.0250	15.0	ND	117	70-130	12.4	26	
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 12:10:50PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2523141-BLK1) Prepared: 06/06/25 Analyzed: 06/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			

LCS (2523141-BS2) Prepared: 06/06/25 Analyzed: 06/06/25

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			

Matrix Spike (2523141-MS2) Source: E506032-03 Prepared: 06/06/25 Analyzed: 06/06/25

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

Matrix Spike Dup (2523141-MSD2) Source: E506032-03 Prepared: 06/06/25 Analyzed: 06/06/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.3	70-130	3.98	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 12:10:50PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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

Blank (2523139-BLK1)					Prepared: 06/06/25 Analyzed: 06/09/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.0		50.0		118	61-141			

LCS (2523139-BS1)					Prepared: 06/06/25 Analyzed: 06/09/25				
Diesel Range Organics (C10-C28)	307	25.0	250		123	66-144			
Surrogate: n-Nonane	59.1		50.0		118	61-141			

Matrix Spike (2523139-MS1)					Source: E506036-07		Prepared: 06/06/25 Analyzed: 06/10/25		
Diesel Range Organics (C10-C28)	784	25.0	250	532	101	56-156			
Surrogate: n-Nonane	60.8		50.0		122	61-141			

Matrix Spike Dup (2523139-MSD1)					Source: E506036-07		Prepared: 06/06/25 Analyzed: 06/10/25		
Diesel Range Organics (C10-C28)	830	25.0	250	532	119	56-156	5.71	20	
Surrogate: n-Nonane	58.8		50.0		118	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/11/2025 12:10:50PM
---	--	---------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2523140-BLK1)					Prepared: 06/06/25 Analyzed: 06/06/25				
Chloride	ND	20.0							
LCS (2523140-BS1)					Prepared: 06/06/25 Analyzed: 06/06/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2523140-MS1)					Source: E506031-02		Prepared: 06/06/25 Analyzed: 06/06/25		
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2523140-MSD1)					Source: E506031-02		Prepared: 06/06/25 Analyzed: 06/06/25		
Chloride	259	20.0	250	ND	104	80-120	0.180	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/11/25 12:10

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

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

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



Page 1 of 1

envirotech

Envirotech Analytical Laboratory

Printed: 6/6/2025 9:32:06AM

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:	06/06/25 06:45	Work Order ID:	E506037
Phone:	(972) 371-5200	Date Logged In:	06/05/25 15:16	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/12/25 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: Courier**Comments/Resolution****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.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South TB

Work Order: E506041

Job Number: 23003-0002

Received: 6/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/25

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: 6/12/25

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



Project Name: Dagger Lake South TB
Workorder: E506041
Date Received: 6/7/2025 10:00:25AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2025 10:00:25AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS04-0.5'	6
FS05-0.5'	7
FS07-0.5'	8
FS41-0'	9
FS43-0'	10
FS44-0'	11
FS45-0'	12
FS48-0'	13
FS49-0'	14
FS50-0'	15
FS51-0'	16
FS52-0'	17
FS62-0'	18
FS63-0'	19
FS64-0'	20
QC Summary Data	21
QC - Volatile Organics by EPA 8021B	21
QC - Nonhalogenated Organics by EPA 8015D - GRO	22
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	23
QC - Anions by EPA 300.0/9056A	24

Table of Contents (continued)

Definitions and Notes	25
Chain of Custody etc.	26

Sample Summary

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

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

Reported:
06/12/25 09:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS04-0.5'	E506041-01A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS05-0.5'	E506041-02A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS07-0.5'	E506041-03A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS41-0'	E506041-04A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS43-0'	E506041-05A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS44-0'	E506041-06A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS45-0'	E506041-07A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS48-0'	E506041-08A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS49-0'	E506041-09A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS50-0'	E506041-10A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS51-0'	E506041-11A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS52-0'	E506041-12A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS62-0'	E506041-13A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS63-0'	E506041-14A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.
FS64-0'	E506041-15A	Soil	06/05/25	06/07/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS04-0.5'

E506041-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.9 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.6 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524015	
Diesel Range Organics (C10-C28)	96.7	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	63.4	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523168	
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS05-0.5'

E506041-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.4 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524015
Diesel Range Organics (C10-C28)	559	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	251	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
	98.8 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS07-0.5'

E506041-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.3 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.9 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524015	
Diesel Range Organics (C10-C28)	31.7	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523168	
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS41-0'

E506041-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.8 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	99.7 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524015	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>	102 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523168	
Chloride	26.7	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS43-0'

E506041-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
	95.0 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS44-0'

E506041-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524015
Diesel Range Organics (C10-C28)	68.2	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	70.6	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS45-0'

E506041-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.5 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524015
Diesel Range Organics (C10-C28)	66.4	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	64.6	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523168
Chloride	31.6	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS48-0'

E506041-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.2 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS49-0'

E506041-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.6 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524015	
Diesel Range Organics (C10-C28)	88.4	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	100	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523168	
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS50-0'

E506041-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524015
Diesel Range Organics (C10-C28)	27.5	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS51-0'

E506041-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.4 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS52-0'

E506041-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Benzene	ND	0.0250	1	06/07/25	06/08/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/08/25	
Toluene	ND	0.0250	1	06/07/25	06/08/25	
o-Xylene	ND	0.0250	1	06/07/25	06/08/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.0 %	70-130		06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524015
Diesel Range Organics (C10-C28)	28.1	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS62-0'

E506041-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Benzene	ND	0.0250	1	06/07/25	06/09/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/09/25	
Toluene	ND	0.0250	1	06/07/25	06/09/25	
o-Xylene	ND	0.0250	1	06/07/25	06/09/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/09/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.6 %	70-130		06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524015
Diesel Range Organics (C10-C28)	49.5	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	66.1	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS63-0'

E506041-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Benzene	ND	0.0250	1	06/07/25	06/09/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/09/25	
Toluene	ND	0.0250	1	06/07/25	06/09/25	
o-Xylene	ND	0.0250	1	06/07/25	06/09/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/09/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.4 %	70-130		06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	100 %	70-130		06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524015	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>	102 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523168	
Chloride	72.9	20.0	1	06/07/25	06/09/25	



Sample Data

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

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

Reported:
6/12/2025 9:17:46AM

FS64-0'

E506041-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Benzene	ND	0.0250	1	06/07/25	06/09/25	
Ethylbenzene	ND	0.0250	1	06/07/25	06/09/25	
Toluene	ND	0.0250	1	06/07/25	06/09/25	
o-Xylene	ND	0.0250	1	06/07/25	06/09/25	
p,m-Xylene	ND	0.0500	1	06/07/25	06/09/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.2 %	70-130		06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2523164	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	99.7 %	70-130		06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2524015	
Diesel Range Organics (C10-C28)	30.6	25.0	1	06/09/25	06/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/25	06/09/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2523168	
Chloride	36.6	20.0	1	06/07/25	06/10/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 9:17:46AM
---	--	----------------------------------

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2523164-BLK1)

Prepared: 06/07/25 Analyzed: 06/08/25

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	7.25		8.00		90.6	70-130			

LCS (2523164-BS1)

Prepared: 06/07/25 Analyzed: 06/08/25

Benzene	4.24	0.0250	5.00		84.8	70-130			
Ethylbenzene	4.16	0.0250	5.00		83.2	70-130			
Toluene	4.23	0.0250	5.00		84.5	70-130			
o-Xylene	4.25	0.0250	5.00		84.9	70-130			
p,m-Xylene	8.46	0.0500	10.0		84.6	70-130			
Total Xylenes	12.7	0.0250	15.0		84.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			

Matrix Spike (2523164-MS1)

Source: E506041-04

Prepared: 06/07/25 Analyzed: 06/08/25

Benzene	4.68	0.0250	5.00	ND	93.6	70-130			
Ethylbenzene	4.59	0.0250	5.00	ND	91.8	70-130			
Toluene	4.66	0.0250	5.00	ND	93.2	70-130			
o-Xylene	4.61	0.0250	5.00	ND	92.1	70-130			
p,m-Xylene	9.33	0.0500	10.0	ND	93.3	70-130			
Total Xylenes	13.9	0.0250	15.0	ND	92.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.7	70-130			

Matrix Spike Dup (2523164-MSD1)

Source: E506041-04

Prepared: 06/07/25 Analyzed: 06/08/25

Benzene	5.17	0.0250	5.00	ND	103	70-130	10.0	27	
Ethylbenzene	5.09	0.0250	5.00	ND	102	70-130	10.2	26	
Toluene	5.15	0.0250	5.00	ND	103	70-130	9.87	20	
o-Xylene	5.06	0.0250	5.00	ND	101	70-130	9.30	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	9.75	23	
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130	9.60	26	
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2025 9:17:46AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2523164-BLK1) Prepared: 06/07/25 Analyzed: 06/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			

LCS (2523164-BS2) Prepared: 06/07/25 Analyzed: 06/08/25

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.6	70-130			

Matrix Spike (2523164-MS2) Source: E506041-04 Prepared: 06/07/25 Analyzed: 06/08/25

Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		8.00		100	70-130			

Matrix Spike Dup (2523164-MSD2) Source: E506041-04 Prepared: 06/07/25 Analyzed: 06/08/25

Gasoline Range Organics (C6-C10)	40.7	20.0	50.0	ND	81.4	70-130	1.48	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.06		8.00		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2025 9:17:46AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2524015-BLK1)					Prepared: 06/09/25 Analyzed: 06/09/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.9		50.0		106	61-141			

LCS (2524015-BS1)					Prepared: 06/09/25 Analyzed: 06/09/25				
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	50.1		50.0		100	61-141			

Matrix Spike (2524015-MS1)					Source: E506041-02		Prepared: 06/09/25 Analyzed: 06/09/25		
Diesel Range Organics (C10-C28)	740	25.0	250	559	72.2	56-156			
Surrogate: n-Nonane	49.9		50.0		99.7	61-141			

Matrix Spike Dup (2524015-MSD1)					Source: E506041-02		Prepared: 06/09/25 Analyzed: 06/09/25		
Diesel Range Organics (C10-C28)	803	25.0	250	559	97.5	56-156	8.19	20	
Surrogate: n-Nonane	51.2		50.0		102	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 9:17:46AM
---	--	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2523168-BLK1)					Prepared: 06/07/25 Analyzed: 06/09/25				
Chloride	ND	20.0							
LCS (2523168-BS1)					Prepared: 06/07/25 Analyzed: 06/09/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2523168-MS1)					Source: E506041-05		Prepared: 06/07/25 Analyzed: 06/09/25		
Chloride	265	20.0	250	ND	106	80-120			
Matrix Spike Dup (2523168-MSD1)					Source: E506041-05		Prepared: 06/07/25 Analyzed: 06/09/25		
Chloride	268	20.0	250	ND	107	80-120	1.34	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/12/25 09:17

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

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

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



Chain of Custody

Page 1 of 2

Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Dagger Lake South TB				Address: 3122 National Parks Hwy				ES01041		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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	PWSID #	
10:45	6/5/2025	S	1	FS04-0.5'		1						X							Y	
10:47	6/5/2025	S	1	FS05-0.5'		2						X							Y	
12:14	6/5/2025	S	1	FS07-0.5'		3						X							Y	
10:10	6/5/2025	S	1	FS41-0'		4						X							Y	
9:52	6/5/2025	S	1	FS43-0'		5						X							Y	
12:11	6/5/2025	S	1	FS44-0'		6						X							Y	
9:46	6/5/2025	S	1	FS45-0'		7						X							Y	
9:42	6/5/2025	S	1	FS48-0'		8						X							Y	
12:08	6/5/2025	S	1	FS49-0'		9						X							Y	
12:51	6/5/2025	S	1	FS50-0'		10						X							Y	
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: AK, JM																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____								
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 2 of 2

of 28  **envirotech**

Envirotech Analytical Laboratory

Printed: 6/9/2025 10:38:09AM

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:	06/07/25 10:00	Work Order ID:	E506041
Phone:	(972) 371-5200	Date Logged In:	06/06/25 12:02	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/13/25 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 South TB

Work Order: E506063

Job Number: 23003-0002

Received: 6/10/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/25/25

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: 6/25/25

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



Project Name: Dagger Lake South TB
Workorder: E506063
Date Received: 6/10/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/10/2025 8:00:00AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS19 - 0.5'	5
FS21 - 0.5'	6
FS39 - 0.5'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/25/25 15:59
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS19 - 0.5'	E506063-01A	Soil	06/06/25	06/10/25	Glass Jar, 2 oz.
FS21 - 0.5'	E506063-02A	Soil	06/06/25	06/10/25	Glass Jar, 2 oz.
FS39 - 0.5'	E506063-03A	Soil	06/06/25	06/10/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/25/2025 3:59:46PM

FS19 - 0.5'

E506063-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524034	
Benzene	ND	0.0250	1	06/10/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/10/25	06/12/25	
Toluene	ND	0.0250	1	06/10/25	06/12/25	
o-Xylene	ND	0.0250	1	06/10/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/10/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/10/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.5 %	70-130	06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2524059	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524072	
Chloride	ND	20.0	1	06/11/25	06/11/25	



Sample Data

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

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

Reported:
6/25/2025 3:59:46PM

FS21 - 0.5'

E506063-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524034	
Benzene	ND	0.0250	1	06/10/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/10/25	06/12/25	
Toluene	ND	0.0250	1	06/10/25	06/12/25	
o-Xylene	ND	0.0250	1	06/10/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/10/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/10/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.5 %	70-130	06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2524059	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524072	
Chloride	ND	20.0	1	06/11/25	06/11/25	



Sample Data

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

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

Reported:
6/25/2025 3:59:46PM

FS39 - 0.5'

E506063-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2524034	
Benzene	ND	0.0250	1	06/10/25	06/12/25	
Ethylbenzene	ND	0.0250	1	06/10/25	06/12/25	
Toluene	ND	0.0250	1	06/10/25	06/12/25	
o-Xylene	ND	0.0250	1	06/10/25	06/12/25	
p,m-Xylene	ND	0.0500	1	06/10/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/10/25	06/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.7 %	70-130		06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2524034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/25	06/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.9 %	70-130		06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2524059	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/25	06/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/25	06/12/25	
<i>Surrogate: n-Nonane</i>	109 %	61-141		06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524072	
Chloride	ND	20.0	1	06/11/25	06/11/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/25/2025 3:59:46PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2524034-BLK1) Prepared: 06/10/25 Analyzed: 06/11/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.2	70-130			

LCS (2524034-BS1) Prepared: 06/10/25 Analyzed: 06/11/25

Benzene	5.25	0.0250	5.00		105	70-130			
Ethylbenzene	5.18	0.0250	5.00		104	70-130			
Toluene	5.24	0.0250	5.00		105	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			

Matrix Spike (2524034-MS1) Source: E506061-08 Prepared: 06/10/25 Analyzed: 06/11/25

Benzene	5.13	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.06	0.0250	5.00	ND	101	70-130			
Toluene	5.11	0.0250	5.00	ND	102	70-130			
o-Xylene	5.02	0.0250	5.00	ND	100	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130			

Matrix Spike Dup (2524034-MSD1) Source: E506061-08 Prepared: 06/10/25 Analyzed: 06/11/25

Benzene	4.59	0.0250	5.00	ND	91.9	70-130	11.0	27	
Ethylbenzene	4.53	0.0250	5.00	ND	90.7	70-130	11.0	26	
Toluene	4.57	0.0250	5.00	ND	91.3	70-130	11.2	20	
o-Xylene	4.52	0.0250	5.00	ND	90.3	70-130	10.6	25	
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	70-130	10.7	23	
Total Xylenes	13.7	0.0250	15.0	ND	91.4	70-130	10.6	26	
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/25/2025 3:59:46PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2524034-BLK1) Prepared: 06/10/25 Analyzed: 06/11/25

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

LCS (2524034-BS2) Prepared: 06/10/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			

Matrix Spike (2524034-MS2) Source: E506061-08 Prepared: 06/10/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

Matrix Spike Dup (2524034-MSD2) Source: E506061-08 Prepared: 06/10/25 Analyzed: 06/11/25

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.7	70-130	3.11	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/25/2025 3:59:46PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2524059-BLK1)					Prepared: 06/10/25 Analyzed: 06/12/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.9		50.0		108	61-141			

LCS (2524059-BS1)					Prepared: 06/10/25 Analyzed: 06/12/25				
Diesel Range Organics (C10-C28)	301	25.0	250		121	66-144			
Surrogate: n-Nonane	54.7		50.0		109	61-141			

Matrix Spike (2524059-MS1)					Source: E506066-07		Prepared: 06/10/25 Analyzed: 06/12/25		
Diesel Range Organics (C10-C28)	299	25.0	250	ND	120	56-156			
Surrogate: n-Nonane	54.3		50.0		109	61-141			

Matrix Spike Dup (2524059-MSD1)					Source: E506066-07		Prepared: 06/10/25 Analyzed: 06/12/25		
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	56-156	1.46	20	
Surrogate: n-Nonane	54.0		50.0		108	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/25/2025 3:59:46PM
---	--	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2524072-BLK1)					Prepared: 06/11/25 Analyzed: 06/11/25				
Chloride	ND	20.0							
LCS (2524072-BS1)					Prepared: 06/11/25 Analyzed: 06/11/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2524072-MS1)					Source: E506063-03		Prepared: 06/11/25 Analyzed: 06/11/25		
Chloride	275	20.0	250	ND	110	80-120			
Matrix Spike Dup (2524072-MSD1)					Source: E506063-03		Prepared: 06/11/25 Analyzed: 06/11/25		
Chloride	274	20.0	250	ND	110	80-120	0.151	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/25/25 15:59

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

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

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



Page 13 of 15

Envirotech Analytical Laboratory

Printed: 6/10/2025 1:24:40PM

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:	06/10/25 08:00	Work Order ID:	E506063
Phone:	(972) 371-5200	Date Logged In:	06/09/25 15:49	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	06/16/25 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? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



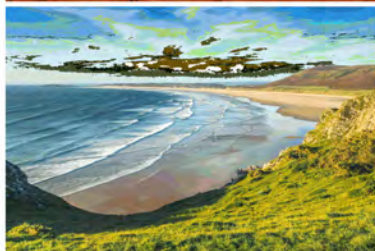
envirotech Inc.



Chain of Custody

[illegible]

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South TB

Work Order: E506079

Job Number: 23003-0002

Received: 6/12/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/25/25

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: 6/25/25

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



Project Name: Dagger Lake South TB
Workorder: E506079
Date Received: 6/12/2025 7:00:00AM

Ashley Giovengo,

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

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS01 - 1'	6
FS02 - 1'	7
FS03 - 1'	8
FS06 - 1'	9
FS73 - 0.5'	10
FS74 - 0.5'	11
FS75 - 0.5'	12
FS76 - 0.5'	13
FS77 - 0.5'	14
FS78 - 0.5'	15
FS79 - 0.5'	16
FS80 - 0.5'	17
FS81 - 0.5'	18
FS82 - 0.5'	19
FS17 - 0.5'	20
SW01 - 0-1'	21
SW02 - 0-1'	22
QC Summary Data	23
QC - Volatile Organic Compounds by EPA 8260B	23
QC - Nonhalogenated Organics by EPA 8015D - GRO	24

Table of Contents (continued)

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

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/25/25 16:10
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 - 1'	E506079-01A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS02 - 1'	E506079-02A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS03 - 1'	E506079-03A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS06 - 1'	E506079-04A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS73 - 0.5'	E506079-05A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS74 - 0.5'	E506079-06A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS75 - 0.5'	E506079-07A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS76 - 0.5'	E506079-08A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS77 - 0.5'	E506079-09A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS78 - 0.5'	E506079-10A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS79 - 0.5'	E506079-11A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS80 - 0.5'	E506079-12A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS81 - 0.5'	E506079-13A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS82 - 0.5'	E506079-14A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
FS17 - 0.5'	E506079-15A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
SW01 - 0-1'	E506079-16A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.
SW02 - 0-1'	E506079-17A	Soil	06/09/25	06/12/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS01 - 1'

E506079-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	06/12/25	06/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	06/12/25	06/13/25	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	06/12/25	06/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	06/12/25	06/13/25	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS02 - 1'

E506079-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	97.4 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	102 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	97.4 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	102 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	102 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS03 - 1'

E506079-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.2 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.3 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.2 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.3 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	101 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS06 - 1'

E506079-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.4 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.7 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.4 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.7 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	101 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/12/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS73 - 0.5'

E506079-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	97.1 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	100 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	97.1 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	100 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	102 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS74 - 0.5'

E506079-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	94.9 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	100 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	94.9 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	100 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	100 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS75 - 0.5'

E506079-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	92.5 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	98.7 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	92.5 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	98.7 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	101 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS76 - 0.5'

E506079-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.7 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	101 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.7 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	101 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	25.3	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	103 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS77 - 0.5'

E506079-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.9 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.6 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.9 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.6 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	102 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS78 - 0.5'

E506079-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	96.7 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	101 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	96.7 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	101 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	102 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS79 - 0.5'

E506079-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.1 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.1 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	30.7	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	101 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	21.6	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS80 - 0.5'

E506079-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	95.0 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.1 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	95.0 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.1 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	37.8	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	102 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS81 - 0.5'

E506079-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.1 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	100 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.1 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	100 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	97.8 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS82 - 0.5'

E506079-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	94.4 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	100 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	94.4 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	100 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	101 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

FS17 - 0.5'

E506079-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	95.0 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.0 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	95.0 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	99.0 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	101 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

SW01 - 0-1'

E506079-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	95.0 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	100 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	95.0 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	100 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	100 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Sample Data

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

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

Reported:
6/25/2025 4:10:19PM

SW02 - 0-1'

E506079-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Benzene	ND	0.0250	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.6 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	101 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/25	06/13/25	
Surrogate: Bromofluorobenzene	93.6 %	70-130		06/12/25	06/13/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8	101 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/25	06/13/25	
Surrogate: n-Nonane	102 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/25/2025 4:10:19PM

Volatile Organic Compounds by EPA 8260B

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 (2524087-BLK1)

Prepared: 06/12/25 Analyzed: 06/13/25

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	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2524087-BS1)

Prepared: 06/12/25 Analyzed: 06/13/25

Benzene	2.02	0.0250	2.50		81.0	70-130			
Ethylbenzene	2.09	0.0250	2.50		83.4	70-130			
Toluene	2.03	0.0250	2.50		81.4	70-130			
o-Xylene	1.92	0.0250	2.50		76.8	70-130			
p,m-Xylene	3.90	0.0500	5.00		77.9	70-130			
Total Xylenes	5.82	0.0250	7.50		77.6	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2524087-MS1)

Source: E506079-06

Prepared: 06/12/25 Analyzed: 06/13/25

Benzene	2.36	0.0250	2.50	ND	94.6	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.8	45-135			
Toluene	2.40	0.0250	2.50	ND	95.9	48-130			
o-Xylene	2.24	0.0250	2.50	ND	89.6	43-135			
p,m-Xylene	4.54	0.0500	5.00	ND	90.8	43-135			
Total Xylenes	6.78	0.0250	7.50	ND	90.4	43-135			
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike Dup (2524087-MSD1)

Source: E506079-06

Prepared: 06/12/25 Analyzed: 06/13/25

Benzene	2.00	0.0250	2.50	ND	80.2	48-131	16.5	23	
Ethylbenzene	2.13	0.0250	2.50	ND	85.1	45-135	14.9	27	
Toluene	2.04	0.0250	2.50	ND	81.7	48-130	16.0	24	
o-Xylene	1.99	0.0250	2.50	ND	79.7	43-135	11.7	27	
p,m-Xylene	4.04	0.0500	5.00	ND	80.8	43-135	11.6	27	
Total Xylenes	6.03	0.0250	7.50	ND	80.5	43-135	11.6	27	
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported: 6/25/2025 4:10:19PM
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2524087-BLK1)

Prepared: 06/12/25 Analyzed: 06/13/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2524087-BS2)

Prepared: 06/12/25 Analyzed: 06/12/25

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike (2524087-MS2)

Source: E506079-06

Prepared: 06/12/25 Analyzed: 06/12/25

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2524087-MSD2)

Source: E506079-06

Prepared: 06/12/25 Analyzed: 06/12/25

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	0.0144	20	
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/25/2025 4:10:19PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2524097-BLK1)					Prepared: 06/12/25 Analyzed: 06/13/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.7		50.0		99.3	61-141			

LCS (2524097-BS1)					Prepared: 06/12/25 Analyzed: 06/13/25				
Diesel Range Organics (C10-C28)	249	25.0	250		99.7	66-144			
Surrogate: n-Nonane	48.5		50.0		97.0	61-141			

Matrix Spike (2524097-MS1)					Source: E506079-15		Prepared: 06/12/25 Analyzed: 06/13/25		
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	51.7		50.0		103	61-141			

Matrix Spike Dup (2524097-MSD1)					Source: E506079-15		Prepared: 06/12/25 Analyzed: 06/13/25		
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156	0.0937	20	
Surrogate: n-Nonane	51.0		50.0		102	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/25/2025 4:10:19PM
---	--	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2524098-BLK1)					Prepared: 06/12/25 Analyzed: 06/12/25				
Chloride	ND	20.0							
LCS (2524098-BS1)					Prepared: 06/12/25 Analyzed: 06/12/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2524098-MS1)					Source: E506079-04		Prepared: 06/12/25 Analyzed: 06/12/25		
Chloride	277	20.0	250	ND	111	80-120			
Matrix Spike Dup (2524098-MSD1)					Source: E506079-04		Prepared: 06/12/25 Analyzed: 06/12/25		
Chloride	275	20.0	250	ND	110	80-120	0.794	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/25/25 16:10

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 South TB				Address: 3122 National Parks Hwy				E520079		230030002								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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #	Sample Temp	Remarks				
13:06	6/9/2025	S	1	FS01 - 1'		1									x									3.4					
13:07	6/9/2025	S	1	FS02 - 1'		2									x									3.8					
13:09	6/9/2025	S	1	FS03 - 1'		3									x									3.0					
13:16	6/9/2025	S	1	FS06 - 1'		4									x									3.4					
11:43	6/9/2025	S	1	FS73 - 0.5'		5									x									3.8					
14:13	6/9/2025	S	1	FS74 - 0.5'		6									x									3.8					
11:44	6/9/2025	S	1	FS75 - 0.5'		7									x									2.7					
11:42	6/9/2025	S	1	FS76 - 0.5'		8									x									2.8					
11:37	6/9/2025	S	1	FS77 - 0.5'		9									x									2.6					
11:35	6/9/2025	S	1	FS78 - 0.5'		10									x									2.3					
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: Cole Burton																													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time	
[Signature]		6/10/25		8:00		Michelle Gonzales		6-10-25		0800		Richard Gonzalez		6-11-25		1700		Caitlin Mann		6-12-25		700							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time	
Michelle Gonzales		6-11-25		1700		Richard Gonzalez		6-11-25		1700		Caitlin Mann		6-12-25		700													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time	
[Signature]		6-11-25		2230		Caitlin Mann		6-12-25		700																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time	
[Signature]																													
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.																													

Client Information				Invoice Information				Lab Use Only				TAT				State																							
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# E500079				Job Number 25003-0002				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td></td> <td></td> <td></td> <td>x</td> </tr> </table>				1D	2D	3D	Std				x	<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>x</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	x			
1D	2D	3D	Std																																				
			x																																				
NM	CO	UT	TX																																				
x																																							
Project Name: Dagger Lake South TB				Address: 3122 National Parks Hwy																																			
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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA																				
11:33	6/9/2025	S	1	FS79 - 0.5'		11									x																								
11:28	6/9/2025	S	1	FS80 - 0.5		12									x																								
11:24	6/9/2025	S	1	FS81 - 0.5'		13									x																								
11:22	6/9/2025	S	1	FS82 - 0.5'		14									x																								
11:20	6/9/2025	S	1	FS83 - 0.5'		15									x																								
13:12	6/9/2025	S	1	SW01 - 0-1'		16									x																								
13:14	6/9/2025	S	1	SW02 - 0-1'		17									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: Cole Burton																																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N																											
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: 6/12/2025 9:56:26AM

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:	06/12/25 07:00	Work Order ID:	E506079
Phone:	(972) 371-5200	Date Logged In:	06/11/25 13:28	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	06/17/25 17:00 (3 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? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Chain of Custody

Page 1 of 2

Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# <u>ESD0079</u>				Job Number <u>23003-0002</u>				1D 2D 3D Std x x x x							
Project Name: Dagger Lake South TB				Address: 3122 National Parks Hwy												NM CO UT TX x x 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	TCEQ 1005 - TX	RCRA 8 Metals	BDOC - NM	BDOC - TX	SDWA	CWA	RCRA					
13:06	6/9/2025	S	1	FS01 - 1'		1								X									
13:07	6/9/2025	S	1	FS02 - 1'		2								X									
13:09	6/9/2025	S	1	FS03 - 1'		3								X									
13:16	6/9/2025	S	1	FS06 - 1'		4								X									
11:43	6/9/2025	S	1	FS73 - 0.5'		5								X									
14:13	6/9/2025	S	1	FS74 - 0.5'		6								X									
11:44	6/9/2025	S	1	FS75 - 0.5'		7								X									
11:42	6/9/2025	S	1	FS76 - 0.5'		8								X									
11:37	6/9/2025	S	1	FS77 - 0.5'		9								X									
11:35	6/9/2025	S	1	FS78 - 0.5'		10								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: <u>Cole Burton</u>																							
Relinquished by: (Signature) <u>Cole Burton</u>				Date <u>6/10/25</u>		Time <u>8:00</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date <u>6-10-25</u>		Time <u>0800</u>		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: <u>Y</u> N							
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date <u>6-11-25</u>		Time <u>1700</u>		Received by: (Signature) <u>Richard Govea</u>				Date <u>6-11-25</u>		Time <u>1700</u>									
Relinquished by: (Signature) <u>Richard Govea</u>				Date <u>6-11-25</u>		Time <u>2230</u>		Received by: (Signature) <u>Caitlin Mann</u>				Date <u>6-12-25</u>		Time <u>700</u>									
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.																							



Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# <u>E501079</u> Job Number <u>23003-0002</u>		1D 2D 3D Std		NM CO UT TX									
Project Name: Dagger Lake South TB				Address: 3122 National Parks Hwy						x									
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: <u>agiovengo@ensolum.com</u>															
Phone: 575-988-0055				Miscellaneous:															
Email: <u>agiovengo@ensolum.com</u>																			
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	
11:33	6/9/2025	S	1	FS79 - 0.5'		11								X					
11:28	6/9/2025	S	1	FS80 - 0.5		12								X					
11:24	6/9/2025	S	1	FS81 - 0.5'		13								X					
11:22	6/9/2025	S	1	FS82 - 0.5'		14								X					
11:20	6/9/2025	S	1	FS83 - 0.5'		15								X					
13:12	6/9/2025	S	1	SW01 - 0-1'		16								X					
13:14	6/9/2025	S	1	SW02 - 0-1'		17								X					
Additional Instructions: Please CC: <u>cburton@ensolum.com</u> , <u>agiovengo@ensolum.com</u> , <u>iestrella@ensolum.com</u> , <u>chamilton@ensolum.com</u> , <u>bmoir@ensolum.com</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Cole Burton</u>																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>(Y)</u> N							
<u>Cole Burton</u>		6/10/25		8:00		<u>Michelle Gonzales</u>		6-10-25		0800									
<u>Michelle Gonzales</u>		6-11-25		1700		<u>Richard Gonzales</u>		6-11-25		1700									
<u>Richard Gonzales</u>		6-11-25		2230		<u>Michelle Gonzales</u>		6-12-25		700									
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.																			

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South TB

Work Order: E506143

Job Number: 23003-0002

Received: 6/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/23/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/23/25

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



Project Name: Dagger Lake South TB
Workorder: E506143
Date Received: 6/18/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/18/2025 7:00:00AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS10-0.5'	5
FS18-0.5'	6
FS23-0.5'	7
FS29-0.5'	8
FS31-0.5'	9
FS32-0.5'	10
FS66-0.5'	11
FS67-0.5'	12
FS68-0.5'	13
FS69-0.5'	14
FS70-0.5'	15
FS71-0.5'	16
FS72-0.5'	17
QC Summary Data	18
QC - Volatile Organics by EPA 8021B	18
QC - Nonhalogenated Organics by EPA 8015D - GRO	19
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	20
QC - Anions by EPA 300.0/9056A	21
Definitions and Notes	22
Chain of Custody etc.	23

Sample Summary

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

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

Reported:
06/23/25 15:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS10-0.5'	E506143-01A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS18-0.5'	E506143-02A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS23-0.5'	E506143-03A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS29-0.5'	E506143-04A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS31-0.5'	E506143-05A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS32-0.5'	E506143-06A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS66-0.5'	E506143-07A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS67-0.5'	E506143-08A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS68-0.5'	E506143-09A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS69-0.5'	E506143-10A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS70-0.5'	E506143-11A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS71-0.5'	E506143-12A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.
FS72-0.5'	E506143-13A	Soil	06/13/25	06/18/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS10-0.5'

E506143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	79.3	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS18-0.5'

E506143-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS23-0.5'

E506143-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS29-0.5'

E506143-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	419	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	242	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS31-0.5'

E506143-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	0.0515	0.0500	1	06/18/25	06/18/25	
Total Xylenes	0.0515	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	206	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	103	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS32-0.5'

E506143-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	0.0319	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	0.145	0.0500	1	06/18/25	06/18/25	
Total Xylenes	0.177	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.1 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	416	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	188	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS66-0.5'

E506143-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS67-0.5'

E506143-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS68-0.5'

E506143-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS69-0.5'

E506143-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS70-0.5'

E506143-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS71-0.5'

E506143-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/23/2025 3:55:17PM

FS72-0.5'

E506143-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Benzene	ND	0.0250	1	06/18/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/19/25	
Toluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	ND	0.0250	1	06/18/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2525066	
Diesel Range Organics (C10-C28)	66.8	25.0	1	06/18/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/18/25	06/19/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2525068	
Chloride	ND	20.0	1	06/18/25	06/18/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/23/2025 3:55:17PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2525062-BLK1)

Prepared: 06/18/25 Analyzed: 06/18/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	70-130			

LCS (2525062-BS1)

Prepared: 06/18/25 Analyzed: 06/20/25

Benzene	5.49	0.0250	5.00		110	70-130			
Ethylbenzene	5.33	0.0250	5.00		107	70-130			
Toluene	5.42	0.0250	5.00		108	70-130			
o-Xylene	5.22	0.0250	5.00		104	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			

Matrix Spike (2525062-MS1)

Source: E506143-05

Prepared: 06/18/25 Analyzed: 06/20/25

Benzene	5.62	0.0250	5.00	ND	112	70-130			
Ethylbenzene	5.50	0.0250	5.00	ND	110	70-130			
Toluene	5.56	0.0250	5.00	ND	111	70-130			
o-Xylene	5.42	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.1	0.0500	10.0	0.0515	110	70-130			
Total Xylenes	16.5	0.0250	15.0	0.0515	110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.76		8.00		110	70-130			

Matrix Spike Dup (2525062-MSD1)

Source: E506143-05

Prepared: 06/18/25 Analyzed: 06/20/25

Benzene	5.42	0.0250	5.00	ND	108	70-130	3.52	27	
Ethylbenzene	5.30	0.0250	5.00	ND	106	70-130	3.69	26	
Toluene	5.37	0.0250	5.00	ND	107	70-130	3.53	20	
o-Xylene	5.21	0.0250	5.00	ND	104	70-130	3.92	25	
p,m-Xylene	10.7	0.0500	10.0	0.0515	106	70-130	3.78	23	
Total Xylenes	15.9	0.0250	15.0	0.0515	106	70-130	3.82	26	
Surrogate: 4-Bromochlorobenzene-PID	8.57		8.00		107	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/23/2025 3:55:17PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2525062-BLK1) Prepared: 06/18/25 Analyzed: 06/18/25

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

LCS (2525062-BS2) Prepared: 06/18/25 Analyzed: 06/23/25

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			

Matrix Spike (2525062-MS2) Source: E506143-05 Prepared: 06/18/25 Analyzed: 06/23/25

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

Matrix Spike Dup (2525062-MSD2) Source: E506143-05 Prepared: 06/18/25 Analyzed: 06/23/25

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130	1.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/23/2025 3:55:17PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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

Blank (2525066-BLK1)					Prepared: 06/18/25 Analyzed: 06/18/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	61-141			

LCS (2525066-BS1)					Prepared: 06/18/25 Analyzed: 06/18/25				
Diesel Range Organics (C10-C28)	273	25.0	250		109	66-144			
Surrogate: n-Nonane	52.0		50.0		104	61-141			

Matrix Spike (2525066-MS1)					Source: E506149-03		Prepared: 06/18/25 Analyzed: 06/18/25		
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	54.6		50.0		109	61-141			

Matrix Spike Dup (2525066-MSD1)					Source: E506149-03		Prepared: 06/18/25 Analyzed: 06/18/25		
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	56-156	1.16	20	
Surrogate: n-Nonane	54.2		50.0		108	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/23/2025 3:55:17PM
---	--	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2525068-BLK1)					Prepared: 06/18/25 Analyzed: 06/18/25				
Chloride	ND	20.0							
LCS (2525068-BS1)					Prepared: 06/18/25 Analyzed: 06/18/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2525068-MS1)					Source: E506143-03		Prepared: 06/18/25 Analyzed: 06/18/25		
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2525068-MSD1)					Source: E506143-03		Prepared: 06/18/25 Analyzed: 06/18/25		
Chloride	251	20.0	250	ND	101	80-120	0.214	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/23/25 15:55

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.



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 South TB				Address: 3122 National Parks Hwy		EE506143	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	BTX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
14:04	6/13/2025	S	1	FS10 - 0.5'		1								X				
11:10	6/13/2025	S	1	FS18 - 0.5'		2								X				
11:09	6/13/2025	S	1	FS23 - 0.5'		3								X				
11:07	6/13/2025	S	1	FS29 - 0.5'		4								X				
11:05	6/13/2025	S	1	FS31 - 0.5'		5								X				
11:04	6/13/2025	S	1	FS32 - 0.5'		6								X				
14:00	6/13/2025	S	1	FS66 - 0.5'		7								X				
13:57	6/13/2025	S	1	FS67 - 0.5'		8								X				
13:53	6/13/2025	S	1	FS68 - 0.5'		9								X				
13:15	6/13/2025	S	1	FS69 - 0.5'		10								X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@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: Jarad McCauley																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	<p>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.</p> <p>Lab Use Only</p> <p>Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N</p>										
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.																		

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: 6/18/2025 8:34:59AM

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:	06/18/25 07:00	Work Order ID:	E506143
Phone:	(972) 371-5200	Date Logged In:	06/17/25 15:44	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/23/25 17:00 (3 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

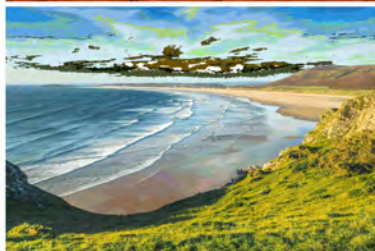
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South TB

Work Order: E506146

Job Number: 23003-0002

Received: 6/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/24/25

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: 6/24/25

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



Project Name: Dagger Lake South TB
Workorder: E506146
Date Received: 6/18/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/18/2025 7:00:00AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS08-0.5'	5
FS09-0.5'	6
FS11-0.5'	7
FS12-0.5'	8
FS13-0.5'	9
FS14-0.5'	10
FS15-0.5'	11
FS16-0.5'	12
FS20-0.5'	13
FS65-0.5'	14
QC Summary Data	15
QC - Volatile Organics by EPA 8021B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	18
Definitions and Notes	19
Chain of Custody etc.	20

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/24/25 08:59
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS08-0.5'	E506146-01A	Soil	06/16/25	06/18/25	Glass Jar, 2 oz.
FS09-0.5'	E506146-02A	Soil	06/16/25	06/18/25	Glass Jar, 2 oz.
FS11-0.5'	E506146-03A	Soil	06/16/25	06/18/25	Glass Jar, 2 oz.
FS12-0.5'	E506146-04A	Soil	06/16/25	06/18/25	Glass Jar, 2 oz.
FS13-0.5'	E506146-05A	Soil	06/16/25	06/18/25	Glass Jar, 2 oz.
FS14-0.5'	E506146-06A	Soil	06/16/25	06/18/25	Glass Jar, 2 oz.
FS15-0.5'	E506146-07A	Soil	06/16/25	06/18/25	Glass Jar, 2 oz.
FS16-0.5'	E506146-08A	Soil	06/16/25	06/18/25	Glass Jar, 2 oz.
FS20-0.5'	E506146-09A	Soil	06/16/25	06/18/25	Glass Jar, 2 oz.
FS65-0.5'	E506146-10A	Soil	06/16/25	06/18/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/24/2025 8:59:34AM

FS08-0.5'

E506146-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Benzene	ND	0.0250	1	06/18/25	06/18/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/18/25	
Toluene	ND	0.0250	1	06/18/25	06/18/25	
o-Xylene	ND	0.0250	1	06/18/25	06/18/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>98.5 %</i>	<i>70-130</i>		<i>06/18/25</i>	<i>06/18/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>87.0 %</i>	<i>70-130</i>		<i>06/18/25</i>	<i>06/18/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2525075	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/20/25	
<i>Surrogate: n-Nonane</i>	<i>109 %</i>	<i>61-141</i>		<i>06/19/25</i>	<i>06/20/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525071	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/24/2025 8:59:34AM

FS09-0.5'

E506146-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Benzene	ND	0.0250	1	06/18/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/19/25	
Toluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	ND	0.0250	1	06/18/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.3 %	70-130		06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.0 %	70-130		06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2525075	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/20/25	
<i>Surrogate: n-Nonane</i>	112 %	61-141		06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525071	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/24/2025 8:59:34AM
---	--	----------------------------------

FS11-0.5'

E506146-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Benzene	ND	0.0250	1	06/18/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/19/25	
Toluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	ND	0.0250	1	06/18/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/19/25	
Surrogate: 4-Bromochlorobenzene-PID	99.4 %	70-130		06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2525075	
Diesel Range Organics (C10-C28)	244	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	73.9	50.0	1	06/19/25	06/20/25	
Surrogate: n-Nonane	111 %	61-141		06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525071	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/24/2025 8:59:34AM

FS12-0.5'

E506146-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Benzene	ND	0.0250	1	06/18/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/19/25	
Toluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	ND	0.0250	1	06/18/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.0 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2525075	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/20/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525071	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/24/2025 8:59:34AM

FS13-0.5'

E506146-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Benzene	ND	0.0250	1	06/18/25	06/19/25	
Ethylbenzene	0.0473	0.0250	1	06/18/25	06/19/25	
Toluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	0.0837	0.0250	1	06/18/25	06/19/25	
p,m-Xylene	0.155	0.0500	1	06/18/25	06/19/25	
Total Xylenes	0.239	0.0250	1	06/18/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>99.5 %</i>	<i>70-130</i>		<i>06/18/25</i>	<i>06/19/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>82.6 %</i>	<i>70-130</i>		<i>06/18/25</i>	<i>06/19/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2525075	
Diesel Range Organics (C10-C28)	477	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	120	50.0	1	06/19/25	06/20/25	
<i>Surrogate: n-Nonane</i>	<i>109 %</i>	<i>61-141</i>		<i>06/19/25</i>	<i>06/20/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525071	
Chloride	21.2	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/24/2025 8:59:34AM

FS14-0.5'

E506146-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Benzene	ND	0.0250	1	06/18/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/19/25	
Toluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	ND	0.0250	1	06/18/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.7 %	70-130		06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.6 %	70-130		06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2525075	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/20/25	
<i>Surrogate: n-Nonane</i>	110 %	61-141		06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525071	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/24/2025 8:59:34AM

FS15-0.5'

E506146-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Benzene	ND	0.0250	1	06/18/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/19/25	
Toluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	ND	0.0250	1	06/18/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.2 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.4 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2525075	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/20/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525071	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/24/2025 8:59:34AM
---	--	----------------------------------

FS16-0.5'

E506146-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Benzene	ND	0.0250	1	06/18/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/19/25	
Toluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	ND	0.0250	1	06/18/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/19/25	
Surrogate: 4-Bromochlorobenzene-PID	94.6 %	70-130		06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.7 %	70-130		06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2525075	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/20/25	
Surrogate: n-Nonane	112 %	61-141		06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525071	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/24/2025 8:59:34AM

FS20-0.5'

E506146-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Benzene	ND	0.0250	1	06/18/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/19/25	
Toluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	ND	0.0250	1	06/18/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.2 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2525075	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/20/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525071	
Chloride	ND	20.0	1	06/18/25	06/18/25	



Sample Data

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

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

Reported:
6/24/2025 8:59:34AM

FS65-0.5'

E506146-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Benzene	ND	0.0250	1	06/18/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/18/25	06/19/25	
Toluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	ND	0.0250	1	06/18/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/18/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.5 %	70-130		06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.3 %	70-130		06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2525075	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/20/25	
<i>Surrogate: n-Nonane</i>	108 %	61-141		06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2525071	
Chloride	ND	20.0	1	06/18/25	06/18/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/24/2025 8:59:34AM
---	--	----------------------------------

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2525063-BLK1)

Prepared: 06/18/25 Analyzed: 06/18/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			

LCS (2525063-BS1)

Prepared: 06/18/25 Analyzed: 06/18/25

Benzene	4.54	0.0250	5.00		90.7	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.9	70-130			
Toluene	4.59	0.0250	5.00		91.8	70-130			
o-Xylene	4.56	0.0250	5.00		91.2	70-130			
p,m-Xylene	9.15	0.0500	10.0		91.5	70-130			
Total Xylenes	13.7	0.0250	15.0		91.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

Matrix Spike (2525063-MS1)

Source: E506144-07

Prepared: 06/18/25 Analyzed: 06/18/25

Benzene	4.76	0.0250	5.00	ND	95.2	70-130			
Ethylbenzene	4.73	0.0250	5.00	ND	94.6	70-130			
Toluene	4.75	0.0250	5.00	ND	95.0	70-130			
o-Xylene	4.76	0.0250	5.00	ND	95.2	70-130			
p,m-Xylene	9.50	0.0500	10.0	ND	95.0	70-130			
Total Xylenes	14.3	0.0250	15.0	ND	95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.2	70-130			

Matrix Spike Dup (2525063-MSD1)

Source: E506144-07

Prepared: 06/18/25 Analyzed: 06/18/25

Benzene	4.54	0.0250	5.00	ND	90.7	70-130	4.83	27	
Ethylbenzene	4.56	0.0250	5.00	ND	91.2	70-130	3.74	26	
Toluene	4.55	0.0250	5.00	ND	91.0	70-130	4.34	20	
o-Xylene	4.57	0.0250	5.00	ND	91.4	70-130	4.01	25	
p,m-Xylene	9.14	0.0500	10.0	ND	91.4	70-130	3.82	23	
Total Xylenes	13.7	0.0250	15.0	ND	91.4	70-130	3.89	26	
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2025 8:59:34AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2525063-BLK1) Prepared: 06/18/25 Analyzed: 06/18/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.8	70-130			

LCS (2525063-BS2) Prepared: 06/18/25 Analyzed: 06/18/25

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			

Matrix Spike (2525063-MS2) Source: E506144-07 Prepared: 06/18/25 Analyzed: 06/18/25

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130			

Matrix Spike Dup (2525063-MSD2) Source: E506144-07 Prepared: 06/18/25 Analyzed: 06/18/25

Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.5	70-130	1.17	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2025 8:59:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2525075-BLK1)					Prepared: 06/19/25 Analyzed: 06/20/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.0		50.0		97.9	61-141			

LCS (2525075-BS1)					Prepared: 06/19/25 Analyzed: 06/20/25				
Diesel Range Organics (C10-C28)	246	25.0	250		98.3	66-144			
Surrogate: n-Nonane	48.9		50.0		97.8	61-141			

Matrix Spike (2525075-MS1)					Source: E506146-08		Prepared: 06/19/25 Analyzed: 06/20/25		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156			
Surrogate: n-Nonane	52.6		50.0		105	61-141			

Matrix Spike Dup (2525075-MSD1)					Source: E506146-08		Prepared: 06/19/25 Analyzed: 06/20/25		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	2.74	20	
Surrogate: n-Nonane	53.5		50.0		107	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/24/2025 8:59:34AM
---	--	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2525071-BLK1)					Prepared: 06/18/25 Analyzed: 06/18/25				
Chloride	ND	20.0							
LCS (2525071-BS1)					Prepared: 06/18/25 Analyzed: 06/18/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2525071-MS1)					Source: E506144-04		Prepared: 06/18/25 Analyzed: 06/18/25		
Chloride	2120	20.0	250	2230	NR	80-120			M4
Matrix Spike Dup (2525071-MSD1)					Source: E506144-04		Prepared: 06/18/25 Analyzed: 06/18/25		
Chloride	1780	20.0	250	2230	NR	80-120	17.2	20	M4

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/24/25 08:59

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Page 1 of 1

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: Dagger Lake South TB				Address: 3122 National Parks Hwy				E500146		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							DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - T	RCRA 8 Metals						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number														
10:18	6/16/2025	S	1	FS08-0.5'		1						X								1.5
10:21	6/16/2025	S	1	FS09-0.5'		2						X								1.4
10:25	6/16/2025	S	1	FS11-0.5'		3						X								2.5
10:28	6/16/2025	S	1	FS12-0.5'		4						X								1.7
10:31	6/16/2025	S	1	FS13-0.5'		5						X								1.0
11:29	6/16/2025	S	1	FS14-0.5'		6						X								1.2
13:33	6/16/2025	S	1	FS15-0.5'		7						X								1.4
10:42	6/16/2025	S	1	FS16-0.5'		8						X								2.7
10:45	6/16/2025	S	1	FS20-0.5'		9						X								3.2
13:35	6/16/2025	S	1	FS65-0.5'		10						X								3.1

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: _____ IE ; AK

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>[Signature]</i>	6/17/25	7:11	<i>Michelle Gonzales</i>	6-17-25	0711	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-17-25	1730	<i>Richard Gonzales</i>	6-17-25	1730	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Richard Gonzales</i>	6-17-25	2245	<i>Brittany Mann</i>	6-18-25	700	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

Envirotech Analytical Laboratory

Printed: 6/18/2025 8:38:23AM

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:	06/18/25 07:00	Work Order ID:	E506146
Phone:	(972) 371-5200	Date Logged In:	06/17/25 15:59	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/24/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

Work Order: E506157

Job Number: 23003-0002

Received: 6/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/24/25

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: 6/24/25

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



Project Name: Dagger Lake South TB
Workorder: E506157
Date Received: 6/19/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/19/2025 7:00:00AM, under the Project Name: Dagger Lake South TB.

The analytical test results summarized in this report with the Project Name: Dagger Lake South 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
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS22-0.5'	6
FS25-0.5'	7
FS26-0.5'	8
FS27-0.5'	9
FS28-0.5'	10
FS30-0.5'	11
FS33-0.5'	12
FS34-0.5'	13
FS35-0.5'	14
FS36-0.5'	15
FS37-0.5'	16
FS38-0.5'	17
FS40-0.5'	18
FS42-0.5'	19
QC Summary Data	20
QC - Volatile Organics by EPA 8021B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

Table of Contents (continued)

Chain of Custody etc.

25

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/24/25 10:19
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS22-0.5'	E506157-01A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS25-0.5'	E506157-02A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS26-0.5'	E506157-03A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS27-0.5'	E506157-04A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS28-0.5'	E506157-05A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS30-0.5'	E506157-06A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS33-0.5'	E506157-07A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS34-0.5'	E506157-08A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS35-0.5'	E506157-09A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS36-0.5'	E506157-10A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS37-0.5'	E506157-11A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS38-0.5'	E506157-12A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS40-0.5'	E506157-13A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.
FS42-0.5'	E506157-14A	Soil	06/17/25	06/19/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS22-0.5'

E506157-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/19/25	
Toluene	ND	0.0250	1	06/19/25	06/19/25	
o-Xylene	ND	0.0250	1	06/19/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.4 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	145	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	83.5	50.0	1	06/19/25	06/20/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	30.1	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS25-0.5'

E506157-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/19/25	
Toluene	ND	0.0250	1	06/19/25	06/19/25	
o-Xylene	ND	0.0250	1	06/19/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/20/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	ND	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS26-0.5'

E506157-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/19/25	
Toluene	ND	0.0250	1	06/19/25	06/19/25	
o-Xylene	ND	0.0250	1	06/19/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.5 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	ND	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS27-0.5'

E506157-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/19/25	
Toluene	ND	0.0250	1	06/19/25	06/19/25	
o-Xylene	ND	0.0250	1	06/19/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	ND	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS28-0.5'

E506157-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/19/25	
Toluene	ND	0.0250	1	06/19/25	06/19/25	
o-Xylene	ND	0.0250	1	06/19/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	43.5	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	ND	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS30-0.5'

E506157-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525084
Benzene	ND	0.0250	1	06/19/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/19/25	
Toluene	ND	0.0250	1	06/19/25	06/19/25	
o-Xylene	ND	0.0250	1	06/19/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2525077
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>						
		110 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2525082
Chloride	ND	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS33-0.5'

E506157-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/19/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/19/25	
Toluene	ND	0.0250	1	06/19/25	06/19/25	
o-Xylene	ND	0.0250	1	06/19/25	06/19/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.5 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	108	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	57.6	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	41.2	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS34-0.5'

E506157-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/20/25	
Toluene	ND	0.0250	1	06/19/25	06/20/25	
o-Xylene	ND	0.0250	1	06/19/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	20.6	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS35-0.5'

E506157-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/20/25	
Toluene	ND	0.0250	1	06/19/25	06/20/25	
o-Xylene	ND	0.0250	1	06/19/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	28.7	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	ND	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS36-0.5'

E506157-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525084
Benzene	ND	0.0250	1	06/19/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/20/25	
Toluene	ND	0.0250	1	06/19/25	06/20/25	
o-Xylene	ND	0.0250	1	06/19/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2525077
Diesel Range Organics (C10-C28)	132	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	83.6	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		06/19/25	06/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2525082
Chloride	ND	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS37-0.5'

E506157-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/20/25	
Toluene	ND	0.0250	1	06/19/25	06/20/25	
o-Xylene	ND	0.0250	1	06/19/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	20.2	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS38-0.5'

E506157-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525084
Benzene	ND	0.0250	1	06/19/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/20/25	
Toluene	ND	0.0250	1	06/19/25	06/20/25	
o-Xylene	ND	0.0250	1	06/19/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2525077
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>						
		112 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2525082
Chloride	26.5	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS40-0.5'

E506157-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/20/25	
Toluene	ND	0.0250	1	06/19/25	06/20/25	
o-Xylene	ND	0.0250	1	06/19/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	ND	20.0	1	06/19/25	06/19/25	



Sample Data

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

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

Reported:
6/24/2025 10:19:49AM

FS42-0.5'

E506157-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Benzene	ND	0.0250	1	06/19/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/19/25	06/20/25	
Toluene	ND	0.0250	1	06/19/25	06/20/25	
o-Xylene	ND	0.0250	1	06/19/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/19/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	70-130		06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	105 %	70-130		06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2525077	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/25	06/21/25	
<i>Surrogate: n-Nonane</i>	115 %	61-141		06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2525082	
Chloride	29.4	20.0	1	06/19/25	06/19/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/24/2025 10:19:49AM
---	--	-----------------------------------

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2525084-BLK1)

Prepared: 06/19/25 Analyzed: 06/19/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			

LCS (2525084-BS1)

Prepared: 06/19/25 Analyzed: 06/19/25

Benzene	5.29	0.0250	5.00		106	70-130			
Ethylbenzene	5.37	0.0250	5.00		107	70-130			
Toluene	5.35	0.0250	5.00		107	70-130			
o-Xylene	5.37	0.0250	5.00		107	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.3	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			

Matrix Spike (2525084-MS1)

Source: E506155-04

Prepared: 06/19/25 Analyzed: 06/19/25

Benzene	5.71	0.0250	5.00	ND	114	70-130			
Ethylbenzene	5.80	0.0250	5.00	ND	116	70-130			
Toluene	5.79	0.0250	5.00	ND	116	70-130			
o-Xylene	5.83	0.0250	5.00	ND	117	70-130			
p,m-Xylene	11.8	0.0500	10.0	ND	118	70-130			
Total Xylenes	17.6	0.0250	15.0	ND	117	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			

Matrix Spike Dup (2525084-MSD1)

Source: E506155-04

Prepared: 06/19/25 Analyzed: 06/19/25

Benzene	5.51	0.0250	5.00	ND	110	70-130	3.67	27	
Ethylbenzene	5.58	0.0250	5.00	ND	112	70-130	3.99	26	
Toluene	5.56	0.0250	5.00	ND	111	70-130	4.00	20	
o-Xylene	5.59	0.0250	5.00	ND	112	70-130	4.23	25	
p,m-Xylene	11.3	0.0500	10.0	ND	113	70-130	3.86	23	
Total Xylenes	16.9	0.0250	15.0	ND	113	70-130	3.98	26	
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2025 10:19:49AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2525084-BLK1)					Prepared: 06/19/25 Analyzed: 06/19/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.03		8.00		100	70-130			

LCS (2525084-BS2)					Prepared: 06/19/25 Analyzed: 06/19/25				
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.39		8.00		105	70-130			

Matrix Spike (2525084-MS2)					Source: E506155-04		Prepared: 06/19/25 Analyzed: 06/19/25		
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			

Matrix Spike Dup (2525084-MSD2)					Source: E506155-04		Prepared: 06/19/25 Analyzed: 06/19/25		
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130	13.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.44		8.00		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/24/2025 10:19:49AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2525077-BLK1) Prepared: 06/19/25 Analyzed: 06/20/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.7		50.0		105	61-141			

LCS (2525077-BS1) Prepared: 06/19/25 Analyzed: 06/20/25

Diesel Range Organics (C10-C28)	288	25.0	250		115	66-144			
Surrogate: n-Nonane	56.5		50.0		113	61-141			

Matrix Spike (2525077-MS1) Source: E506157-08 Prepared: 06/19/25 Analyzed: 06/20/25

Diesel Range Organics (C10-C28)	299	25.0	250	ND	120	56-156			
Surrogate: n-Nonane	54.9		50.0		110	61-141			

Matrix Spike Dup (2525077-MSD1) Source: E506157-08 Prepared: 06/19/25 Analyzed: 06/20/25

Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156	0.383	20	
Surrogate: n-Nonane	56.0		50.0		112	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/24/2025 10:19:49AM
---	--	---------------------------------------

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2525082-BLK1)					Prepared: 06/19/25 Analyzed: 06/19/25				
Chloride	ND	20.0							
LCS (2525082-BS1)					Prepared: 06/19/25 Analyzed: 06/19/25				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2525082-MS1)					Source: E506157-07		Prepared: 06/19/25 Analyzed: 06/19/25		
Chloride	284	20.0	250	41.2	96.9	80-120			
Matrix Spike Dup (2525082-MSD1)					Source: E506157-07		Prepared: 06/19/25 Analyzed: 06/19/25		
Chloride	282	20.0	250	41.2	96.5	80-120	0.399	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 South TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/24/25 10:19

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Page 1 of 2

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Dagger Lake South TB				Address: 3122 National Parks Hwy				E50157		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																				PWSID #	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks				
13:38	6/17/2025	S	1	FS22-0.5'		1						X					1.7				
13:45	6/17/2025	S	1	FS25-0.5'		2						X					1.3				
13:41	6/17/2025	S	1	FS26-0.5'		3						X					1.2				
13:30	6/17/2025	S	1	FS27-0.5'		4						X					1.7				
9:24	6/17/2025	S	1	FS28-0.5		5						X					2.4				
9:19	6/17/2025	S	1	FS30-0.5'		6						X					1.8				
9:40	6/17/2025	S	1	FS33-0.5'		7						X					1.6				
13:27	6/17/2025	S	1	FS34-0.5'		8						X					1.2				
9:27	6/17/2025	S	1	FS35-0.5'		9						X					2.1				
9:30	6/17/2025	S	1	FS36-0.5'		10						X					2.3				

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: IE; AK

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>[Signature]</i>	6/18/25	7:11	<i>Michelle Gonzales</i>	6-18-25	0711	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-18-25	1645	<i>Richard Gonzales</i>	6-18-25	1645	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Richard Gonzales</i>	6-18-25	2300	<i>Crittlihan</i>	6-19-25	700	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

Client Information				Invoice Information				Lab Use Only				TAT			State					
Company: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Dagger Lake South TB				Address: 3122 National Parks Hwy				E501157		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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA			
9:32	6/17/2025	S	1	FS37-0.5'		11						X								
13:48	6/17/2025	S	1	FS38-0.5'		12						X								
13:55	6/17/2025	S	1	FS40-0.5'		13						X								
13:57	6/17/2025	S	1	FS42-0.5'		14						X								
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: _____ IE, AK																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____								
Michelle Gonzales		6/18/25		7:11		Michelle Gonzales		6/18/25		0711										
Michelle Gonzales		6-18-25		1645		Richard Gonzalez		6-18-25		1645										
Richard Gonzalez		6-18-25		2300		Courtlynn		6-19-25		700										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 6/19/2025 7:50:30AM

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:	06/19/25 07:00	Work Order ID:	E506157
Phone:	(972) 371-5200	Date Logged In:	06/18/25 15:03	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX H

Remediation Closure Request

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 505015

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505015
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511739290
Incident Name	NAPP2511739290 DAGGER LAKE SOUTH TB @ FAPP2413633910
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2413633910] Dagger Lake South Tank Battery Facility

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

Site Name	DAGGER LAKE SOUTH TB
Date Release Discovered	04/26/2025
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	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

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

Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 73 BBL Recovered: 50 BBL Lost: 23 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.

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 505015

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505015
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/10/2025
--	--

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 505015

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505015
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	531
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	38395
GRO+DRO (EPA SW-846 Method 8015M)	26395
BTEX (EPA SW-846 Method 8021B or 8260B)	34.6
Benzene (EPA SW-846 Method 8021B or 8260B)	1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/03/2025
On what date will (or did) the final sampling or liner inspection occur	06/17/2025
On what date will (or was) the remediation complete(d)	06/17/2025
What is the estimated surface area (in square feet) that will be reclaimed	28823
What is the estimated volume (in cubic yards) that will be reclaimed	477
What is the estimated surface area (in square feet) that will be remediated	3800
What is the estimated volume (in cubic yards) that will be remediated	141
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 505015

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505015
	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.)	Yes
Which OCD approved facility will be used for off-site disposal	<i>Not answered.</i>
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/10/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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 505015

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505015
	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

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 6

Action 505015

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505015
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	475594
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/18/2025
What was the (estimated) number of samples that were to be gathered	86
What was the sampling surface area in square feet	34275

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	32623
What was the total volume (cubic yards) remediated	618
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	28823
What was the total volume (in cubic yards) reclaimed	477
Summarize any additional remediation activities not included by answers (above)	N/A
<p><i>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></p>	
<p>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.</p>	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/10/2025

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 7

Action 505015

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505015
	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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 505015

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 505015
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/30/2025