

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

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com

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 chainof-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**

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

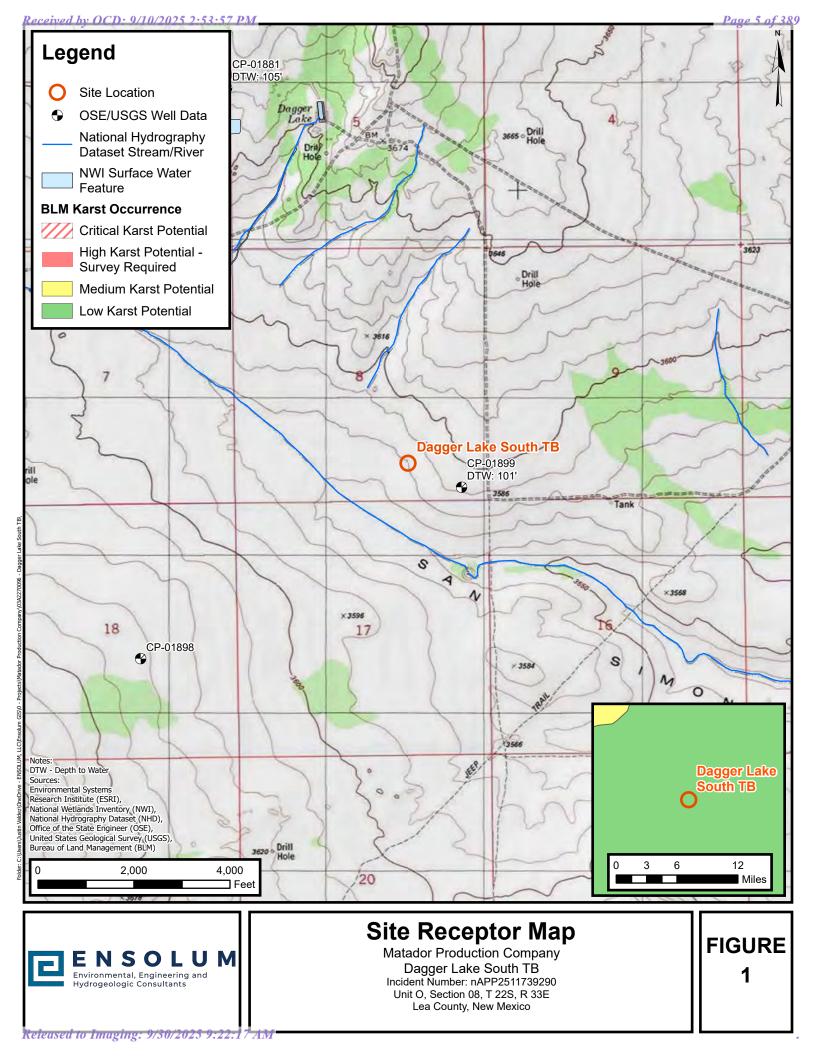
cc: Jason Touchet, Matador Production Company

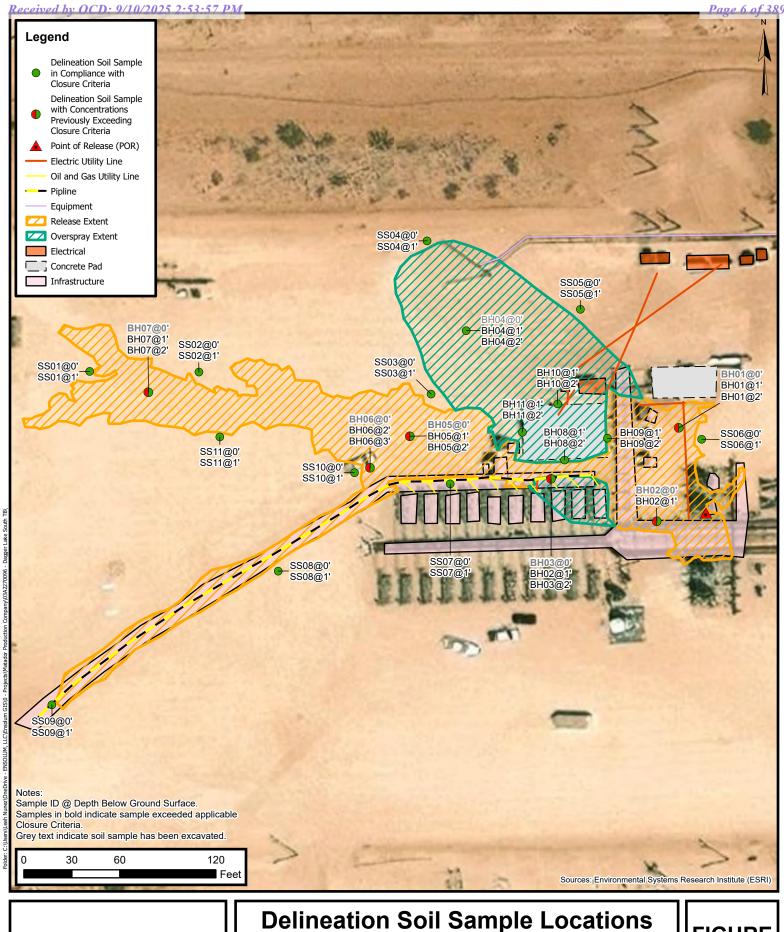
Attachments:

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



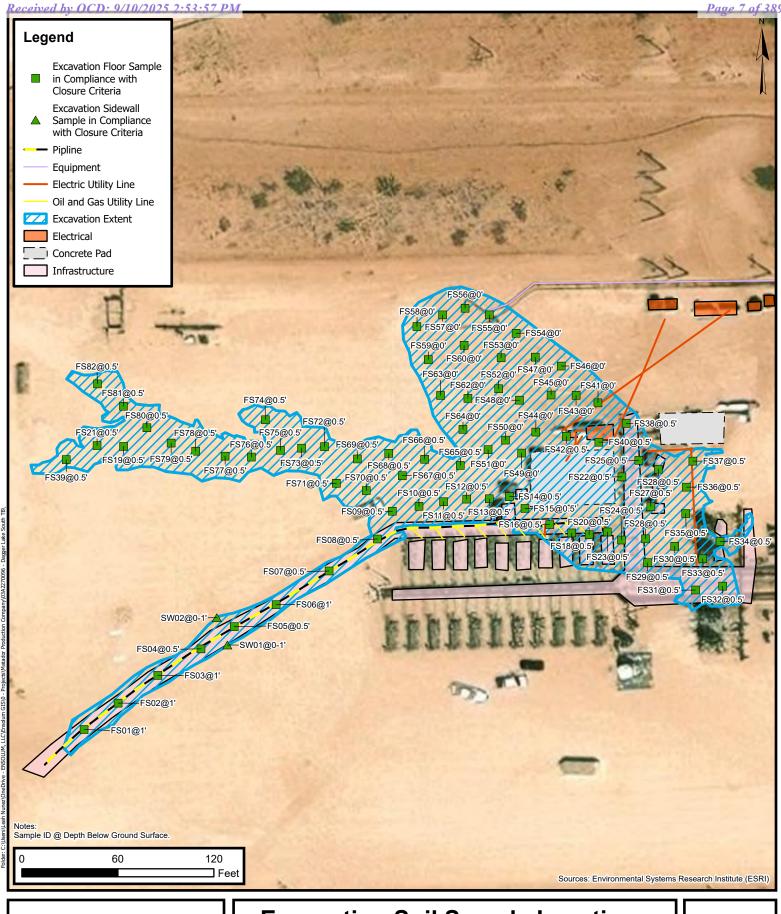
FIGURES







Matador Production Company Dagger Lake South TB Incident Number: nAPP2511739290 Unit O, Section 08, T 22S, R 33E Lea County, New Mexico FIGURE 2





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



ENSOLUM Page 9 of 389

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

				Lea	County, New Me	AICO				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delin	eation Soil San	nples				
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

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

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

[&]quot;<": Laboratory Analytical result is less than reporting limit

^{*} 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





TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS Dagger Lake South TB

				Matado	gger Lake South or Production Co County, New Me	mpany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Excava	tion Floor Soil S	amples				
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

					or Production Co County, New Me					
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
				Excavat	ion Floor Soil S	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

	Lea County, New Mexico										
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000	
				Excava	tion Floor Soil S	Samples					
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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

[&]quot;<": Laboratory Analytical result is less than reporting limit

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



TABLE 3

SOIL SAMPLE ANALYTICAL RESULTS

Dagger Lake South TB
Matador Production Company
Lea County, New Mexico

	Lea County, New Mexico											
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000		
				Sic	dewall Soil Samp	les						
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

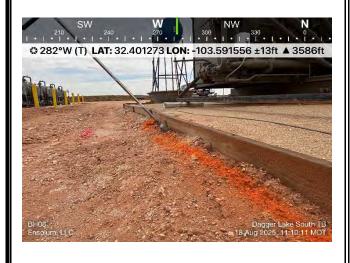


APPENDIX A

Photographic Log



Photographic Log Matador Production Company Dagger Lake South TB nAPP2511739290





Date: 8/18/2025 Photograph 1 Date: 8/18/2025 Photograph 2

Description: Delineation BH08

View: West

Description: Delineation BH09

View: South





Photograph 3 Date: 8/18/2025 Photograph 4 Date: 8/18/2025

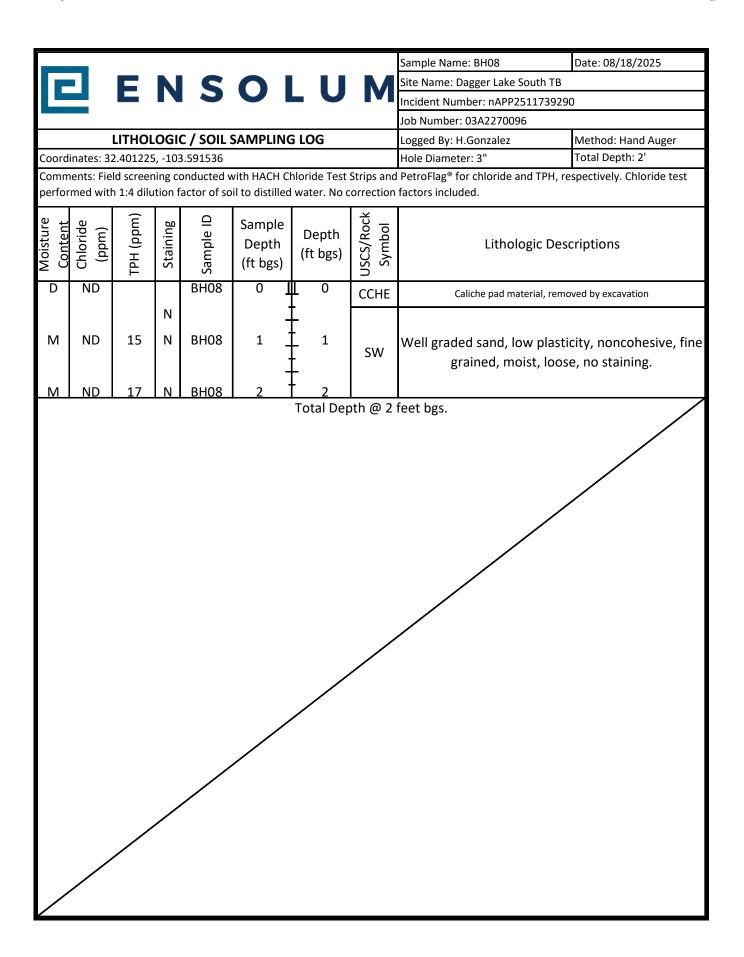
Description: Delineation BH10 Description: Delineation BH11

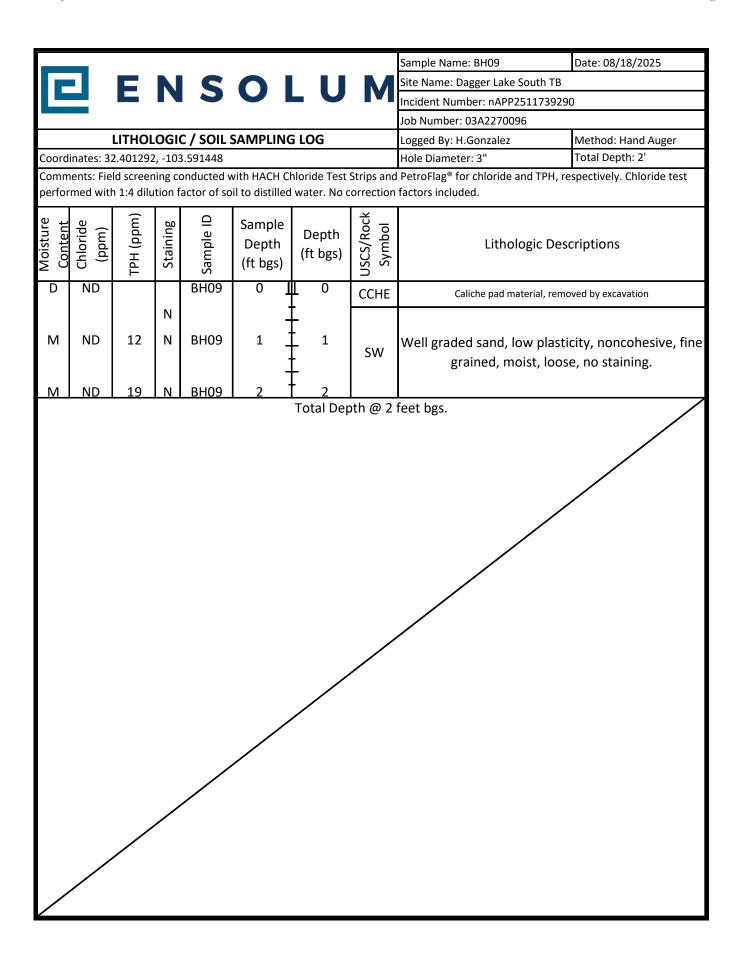
View: Southwest View: North

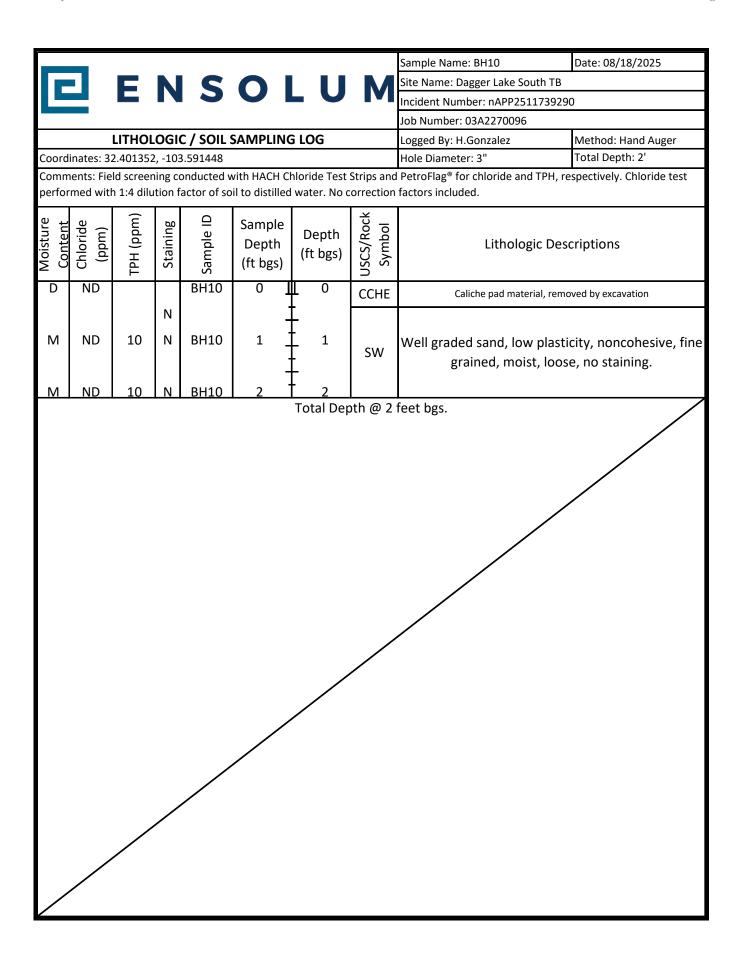


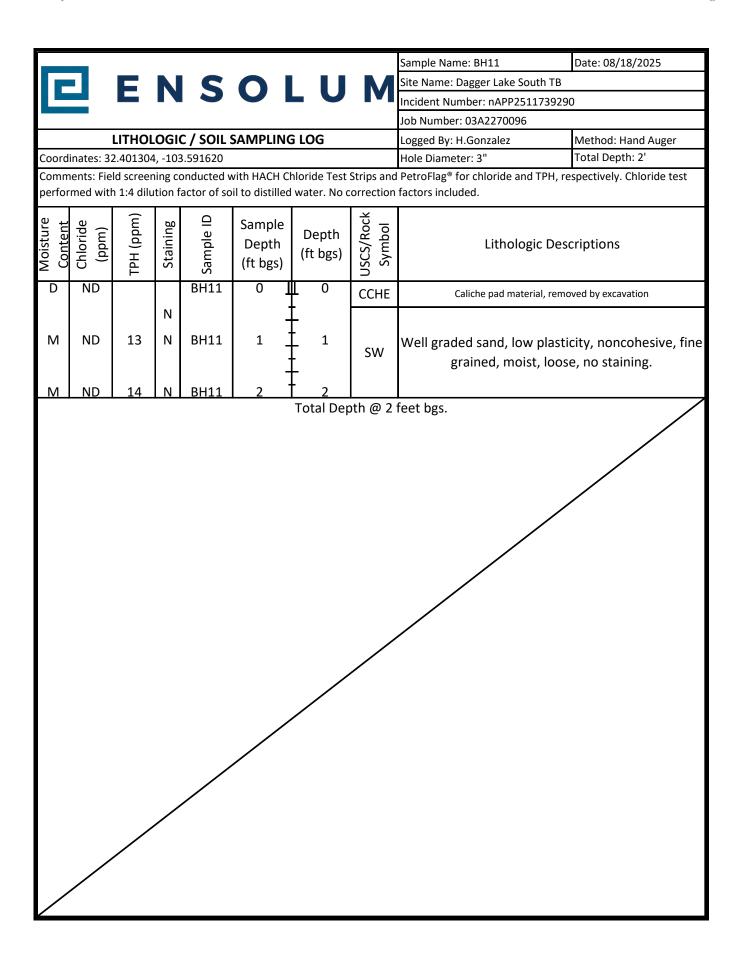
APPENDIX B

Lithologic Soil Sampling Logs











APPENDIX C

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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.	Project Name:	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

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.

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	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	Anal	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		95.8 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2534071
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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		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	

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	8/26/2025 9:51:56AM

BH08-2'

		E508219-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	Anal	yst: TP		Batch: 2534075
Chloride	ND	20.0	1	08/20/25	08/20/25	



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	8/26/2025 9:51:56AM

BH09-1'

E508219-03

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: TP		Batch: 2534075
Chloride	ND	20.0	1	08/20/25	08/20/25	



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	8/26/2025 9:51:56AM

BH09-2'

E508219-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	Anal	lyst: BA		Batch: 2534071
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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		114 %	61-141	08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: TP		Batch: 2534075



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	8/26/2025 9:51:56AM

BH10-1'

		E508219-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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		96.5 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2534071
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/25	08/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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		119 %	61-141	08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: TP		Batch: 2534075
Chloride	ND	20.0	1	08/20/25	08/20/25	



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	8/26/2025 9:51:56AM

BH10-2'

E508219-06

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allalyzeu	ivotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	
A minus by EDA 200 0/0056 A	mg/kg	mg/kg	Anal	yst: TP		Batch: 2534075
Anions by EPA 300.0/9056A						



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	8/26/2025 9:51:56AM

BH11-1'

E508219-07

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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		123 %	61-141	08/20/25	08/20/25	
	mg/kg	mg/kg	Anal	yst: TP		Batch: 2534075
Anions by EPA 300.0/9056A	mg/kg	mg/kg		,		



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	8/26/2025 9:51:56AM

BH11-2'

E50821	\mathbf{n}	O
H-SHX/I	Y-II	ız

		Reporting				
Analyte	Result	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		95.5 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Ana	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		92.5 %	70-130	08/20/25	08/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Ana	lyst: 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		123 %	61-141	08/20/25	08/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	Analyst: TP		Batch: 2534075
Chloride	ND	20.0	1	08/20/25	08/20/25	



QC Summary Data

Dagger Lake South TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2534071-BLK1) Prepared: 08/20/25 Analyzed: 08/20/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.60 8.00 95.0 70-130 LCS (2534071-BS1) Prepared: 08/20/25 Analyzed: 08/20/25 4.97 99.5 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.96 0.0250 5.00 99.3 70-130 5.01 0.0250 5.00 100 70-130 Toluene o-Xylene 5.04 0.0250 5.00 101 70-130 10.0 10.0 100 70-130 0.0500 p.m-Xvlene 100 70-130 15.1 15.0 Total Xylenes 0.0250 8.00 95.4 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.63 Matrix Spike (2534071-MS1) Source: E508219-08 Prepared: 08/20/25 Analyzed: 08/20/25 4.88 0.0250 5.00 ND 97.7 70-130 Benzene ND 70-130 Ethylbenzene 4.87 0.0250 5.00 97.4 Toluene 4.91 0.0250 5.00 ND 98.3 70-130 4.96 ND 99.2 70-130 5.00 0.0250 o-Xylene p,m-Xylene 9.86 0.0500 10.0 ND 98.6 70-130 14.8 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.61 8.00 Matrix Spike Dup (2534071-MSD1) Source: E508219-08 Prepared: 08/20/25 Analyzed: 08/20/25 4.80 0.0250 5.00 ND 70-130 1.76 27 70-130 1.95 4.78 0.0250 5.00 ND 95.6 26 Ethylbenzene Toluene 4 83 0.0250 5.00 ND 96.6 70-130 1 71 20 4.84 5.00 ND 96.8 70-130 2.46 25 o-Xylene 0.0250

10.0

15.0

8.00

0.0500

0.0250

ND

ND

96.5

96.6

93.5

70-130

70-130

70-130



23

26

2.16

2.26

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

9.65

14.5

7.48

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo8/26/20259:51:56AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			8/2	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: 0	8/20/25 Ana	lyzed: 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: 0	8/20/25 Ana	lyzed: 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:	Source: E508219-08		Prepared: 08/20/25 Analyzed: 08/20/25		lyzed: 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: 0	8/20/25 Ana	lyzed: 08/20/25
Gasoline Range Organics (C6-C10)	56.0	20.0	50.0	ND	112	70-130	0.772	20	

8.00

7.24

90.5

70-130

QC Summary Data

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

, , ,		jg			5 -				
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2534073-BLK1)							Prepared: 0	8/20/25 An	alyzed: 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: 0	8/20/25 An	alyzed: 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: 0	8/20/25 An	alyzed: 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: 0	8/20/25 An	alyzed: 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			

Matrix Spike (2534075-MS1)

Matrix Spike Dup (2534075-MSD1)

Chloride

Chloride

610

609

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

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

20

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:		Dagger Lake South TB 23003-0002					Reported:	
Dallas TX, 75240		Project Manager	: A	shley Gioveng	go			8	8/26/2025 9:51:56AM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: TP
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2534075-BLK1)							Prepared: 0	8/20/25 Ar	nalyzed: 08/20/25
Chloride	ND	20.0							
LCS (2534075-BS1)]	Prepared: 0	8/20/25 Ar	nalyzed: 08/20/25
Chloride	254	20.0	250		102	90-110			

250

250

20.0

20.0

Source: E508217-02

Source: E508217-02

93.0

92.4

80-120

80-120

0.254

378

378

QC Summary Report Comment:

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Dagger Lake South TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
١	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.



	Clien	nt Inform	nation		Inv	ice Information				L	ab Us	e On					TA			Stat	
Client: N	Natador				Company: Ens	lum LLC		La	b WC	0#	_	Job I	Num	ber		1D :	2D	3D Std	NM	CO UT	TX
Project N	lame: Dagge	er Lake So	outh TB		Address: 3122	National Parks Hwy		E	50	821	9	23	Y13	-000	12			X	Х		
Project N	Manager: Asl	hley Giov	engo		City, State, Zip:	Carlsbad NM, 8822	0					~~	~								
Address:	3122 Nation	nal Parks	Hwy		Phone: 575-9	8-0055						Ana	lysis	and	Meth	od			EF	A Progr	am
City, Stat	e, Zip: Carls	bad NM,	88220		Email: agiove	ngo@ensolum.com					-								SDWA	CWA	RCRA
hone:	575-988-005	5			Miscellaneous:																
Email: a	giovengo@e	nsolum.c	om		77.7				in	100						- 1			Complian	ce Y	or N
						- 100			8015				0	J	2				PWSID#		
				Sample Inform	nation				- A	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		Σ	*	9 0		
Time	200	4.54	No. of		Seconda ID		e la	Lab	DRO/ORO	AO/	k by	by	ride	100	A 8		BGDOC - NM		Samle Temp	Ren	narks
Sampled	Date Sampled	Matrix	Containers		Sample ID		Filt	Lab Numbe	er S	GRO	BTE	9	Chlo	TCEC	RCR.		BGD	BGDOC	SS		
1112	08/18/2025	S	1		BH08-1'			1	T								х		4.7		
1113	08/18/2025				BH08-2'				-	-						-			110		
1112	00/10/2023	S	1		BHU6-2			2									X		4.9		
1119	08/18/2025		-		BH09-1'				-	+							200		110		
1119	00/10/2023	S	1		BH03-1			3								- 1	X		4.0		
1120	08/18/2025				BH09-2'	-			+		_					+			11 -		
1120	00,10,2025	S	1		D1103-2			4									X		4.5	-	
1126	08/18/2025				BH10-1'			-	+	-						-			14		
1120	10/20/2020	S	1		DIIIO I			5	П								X		3.7		
1127	08/18/2025				BH10-2'			,	+	+											
1127	33/33/2336	S	1		D1110 2			0								- 1	X		5.0		
1133	08/18/2025				BH11-1'			M	+										2000		
1100		S	1		A.100			1		1	1. 8	6. 7					X		3.9		
1134	08/18/2025		4.17		BH11-2'			0									.,				
	0.000	S	1	/				8									X		39		
									7				-		-				-		
												-									
												T.		-	177						
Addition	al Instructio	ns: Ple	ase CC: cb	ourton@ensolum.	com, agiovengo	ensolum.com, iest	rella	@ensol	lum.c	om. c	ham	lton	@en	solur	n.con	n. bm	noir	@ensolu	m.com		
						•															
, (field sam	pler), attest to the	e validity and	d authenticity	of this sample. I am awa	re that tampering with	r intentionally mislabeling	the sar	mple locat	ion, da	te or tin	ne of co	llection	n is co	nsidere	d fraud	and m	ay be	grounds fo	legal action.		
Sampled by	: Higinio Gonzalez																				
Relinquish	ed by: (Signatur	e	2	Date	Time	Received by (Signatu	re)		1	Date		7.		Time					Samples re	quiring t	hermal
				8-19-25							-19	-23	S	1	170	1		pre	servation r	nust be re	eceived or
Relinquish	ed by: (Signatur	eh)	8	Date	Time	Received by: (Signatu	re)		0	Date	*	.25		Time				ice	the day th	ney are sa	impled or
VVI	congre 1	70003	mes	81925	1500	Illarissa s	201	ngal	RA	1	119	.25)		120	00	- 0	rec	eived pack	ed on ice	at a temp
Relinquish	ed by: (Signatur	e) 0		Date	Time	Received by (Signatu	re) /	14		Date	7 1	1.2	-	Time	10	2		a	bove 0 but	less than	n 6°C on
Ma	rissa d	Lans	ches	81925	1530	I.Anareu	1	ИШ	M	4	3.19	1.6	.5		15.	So			subse	quent day	ys.
Relin ujsk	entrace of the	e)///	XXO.	Date	Time	Received by: (Signatu	re)			Date				Time	- 4				Lab	Use Only	V
JIII	www	ivuu		0 .(q.25	1930	Carlla	1	noc	w	19	·21	1.25		1	50					ved on ic	
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	re)	-		Date				Time					(N V	
																			E		
	where call cd c	olid Sa - Shi	dge A - Anue	ous, O - Other			Con	ainer Ty	vne: p	- glas	n - 1	oly/r	lasti	c. ag .	ambe	er glas	55. V	- VOA			

envirotech Inc.

Printed: 8/20/2025 9:19:11AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	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:	agiovengo@ensolum.com	Due Date:	08/26/25	07:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	atch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss	•	Yes		Comment	s/Resolution
Sample T	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
	the sample received on ice?					
	Note: Thermal preservation is not required, if samples a 15 minutes of sampling COC for individual sample temps. Samples outside of the sample samples outside of the sample sample samples outside of the sample samples outside of the sample sample sample samples samples samples outside of the samples sampl		Yes	in comments		
	1 1 1	of 0 C-0 C will be	recorded	in comments.		
	Container VOC 1 49		3.7			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?	2	NA			
	on-VOC samples collected in the correct containers		Yes			
	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lal						
	field sample labels filled out with the minimum inf ample ID?	ormation:	Yes			
	Pate/Time Collected?		Yes			
	collectors name?		Yes			
Sample I	Preservation					
_	the COC or field labels indicate the samples were p	oreserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved m	netals?	No			
Multipha	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphe	ase?	No			
	, does the COC specify which phase(s) is to be anal		NA			
•		,	1471			
	cat Laboratory	· · · · · · · · · · · · · · · · · · ·	No			
	amples required to get sent to a subcontract laborate subcontract laboratory specified by the client and	-	No NA	Subcontract Lab: NA		
Client I	nstruction					
						
						_

Date

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



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

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, New Mexico 88220 | ensolum.com



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.



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.



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**

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

cc: Jason Touchet, Matador



Appendices:

Figure 1 Site Receptor Map

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

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

Appendix A Referenced Well Records
Appendix B Lithologic / Soil Sampling Logs

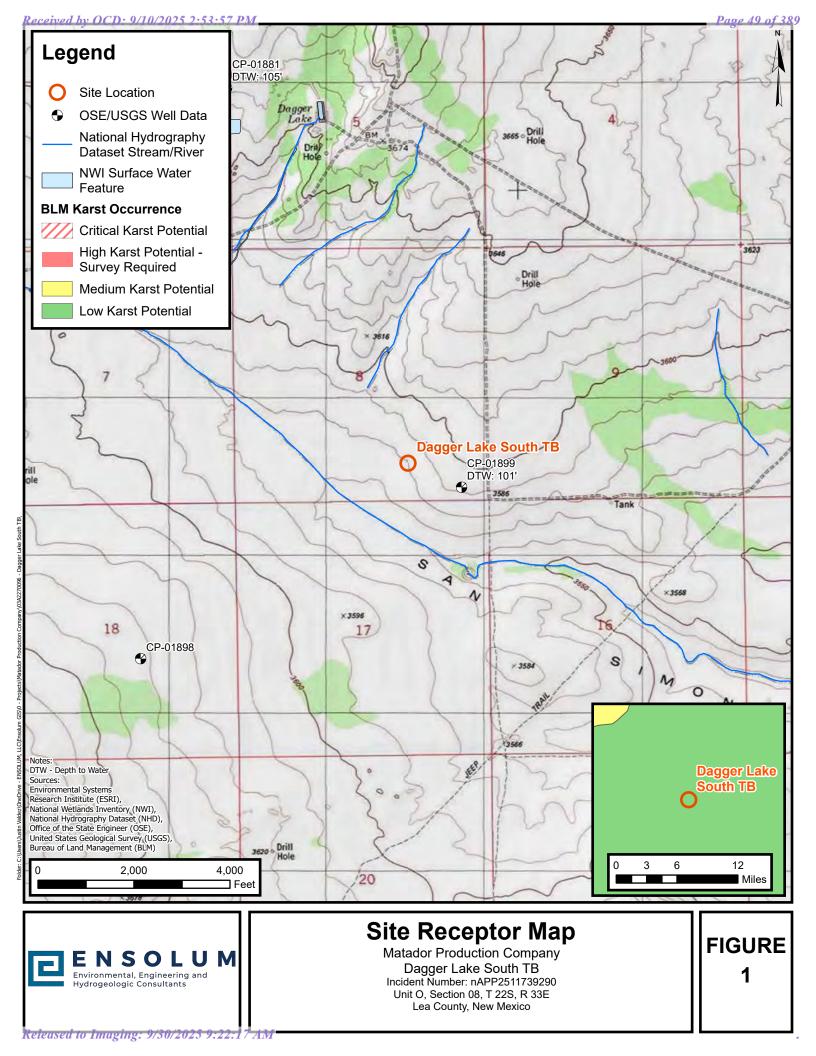
Appendix C Photographic Log

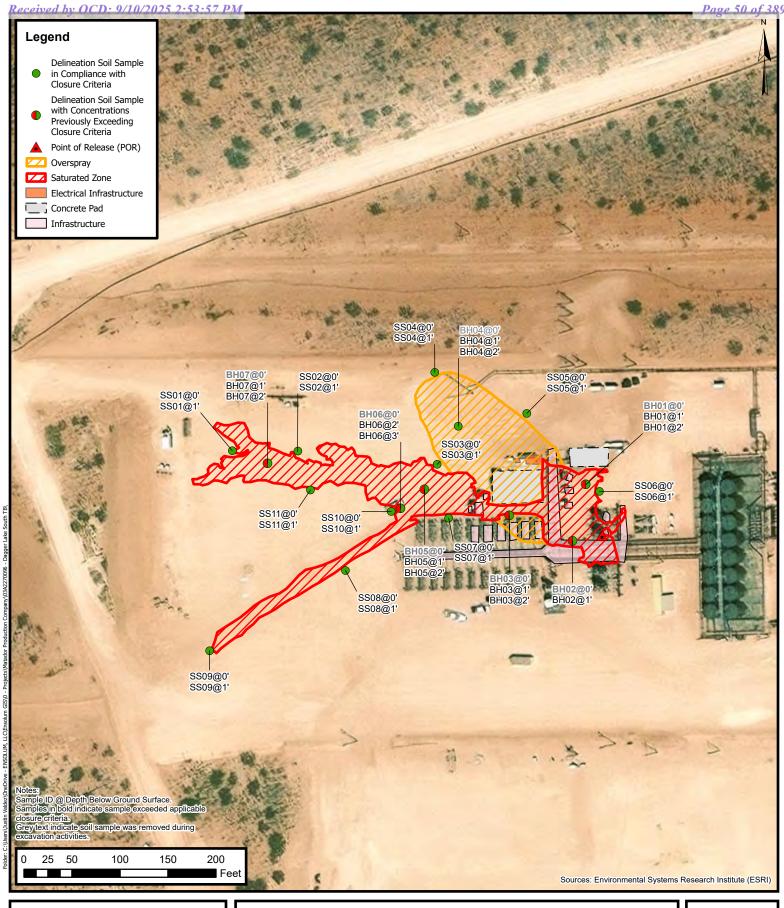
Appendix D NMOCD Correspondence

Appendix E Laboratory Analytical Reports & Chain-of-Custody



FIGURES

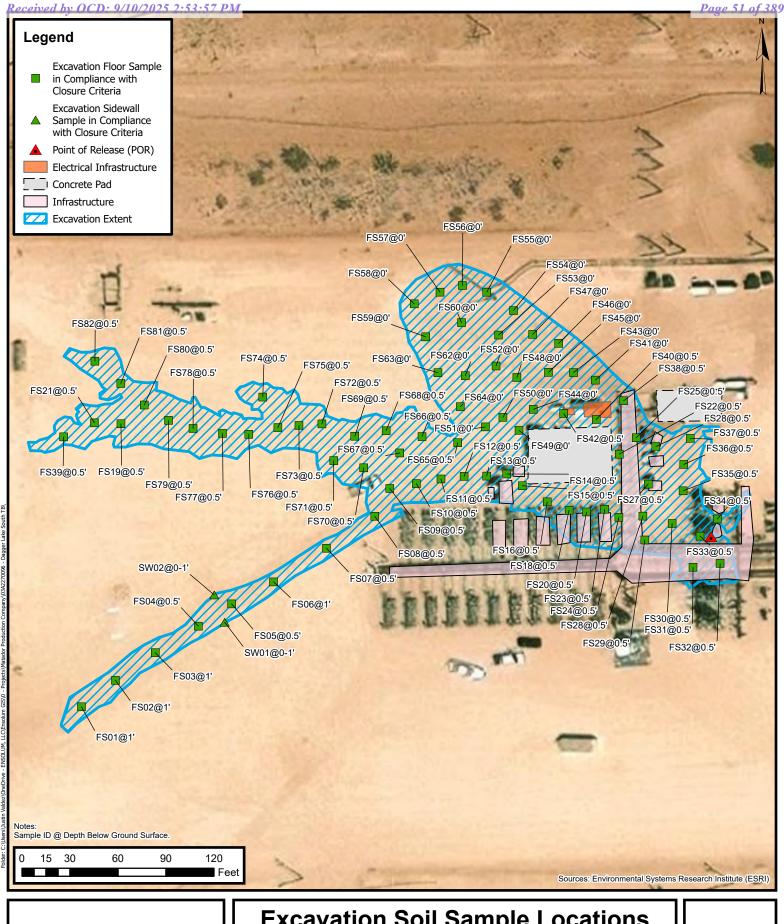






Delineation Soil Sample Locations

Matador Production Company Dagger Lake South TB Incident Number: nAPP2511739290 Unit O, Section 08, T 22S, R 33E Lea County, New Mexico FIGURE 2





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

Released to Imaging: 9/30/2025 9:22:17



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Dagger Lake South TB

				Matado	or Production Co County, New Me	mpany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delin	eation Soil Sar	nples				
SS01	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



GRO: Gasoline Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

DRO: Diesel Range Organics

ORO: Oil Range Organics

TABLE 1 - CONT'D

SOIL SAMPLE ANALYTICAL RESULTS

Dagger Lake South TB Matador Production Company Lea County New Mexico

	Lea County, New Mexico													
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000				
				Delin	neation Soil San	nples								
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

[&]quot;<": Laboratory Analytical result is less than reporting limit

^{*} 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.

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



TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS

Dagger Lake South TB

NMOCD Table Closure Criteria (IMAC 19.15.29) 10 50 NE NE NE 1,000 2,500	Matador Production Company Lea County, New Mexico														
FS01 6/9/2025 1 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 <25.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <5	•	Date								Total TPH (mg/kg)	Chloride (mg/kg)				
FS01	NMOCD Table I C	losure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000				
FS02					Excava	tion Floor Soil S	amples								
FS03	FS01	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 FS05 6/5/2025 0.5 <0.0250 <0.0500 <20.0 559 251 559 810 FS06 6/9/2025 1 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS07 6/5/2025 0.5 <0.0250 <0.0500 <20.0 <20.0 31.7 <50.0 31.7 <50.0 FS08 6/9/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS08 6/9/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS09 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS09 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS11 6/16/2025 0.5 <0.0250 <0.0500 <20.0 79.3 <50.0 79.3 79.3 FS11 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <24.0 244 73.9 244 318 FS12 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS13 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS14 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <27.0 <47.7 120 477 597 FS14 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS15 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS16 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS17 6/9/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS18 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS17 6/9/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS18 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS19 6/6/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS19 6/6/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS20 6/17/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 <25.0 <50.0 FS21 6/9/2025 0.5 <0.0250 <0.0500	FS02	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0				
FS05 6/5/2025 0.5	FS03	6/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0				
FS06 6/9/2025 1 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS07 6/5/2025 0.5 <0.0250	FS04	6/5/2025	0.5	< 0.0250	<0.0500	<20.0	96.7	63.4	96.7	160.1	<20.0				
FS07 6/5/2025 0.5 <0.0250 <0.0500 <20.0 31.7 <50.0 31.7 <50.0 FS08 6/16/2025 0.5 <0.0250	FS05	6/5/2025	0.5	< 0.0250	<0.0500	<20.0	559	251	559	810	<20.0				
FS08 6/16/2025 0.5 < 0.0250 < 0.0500 < 20.0 < 25.0 < 50.0 < 25.0 < 50.0 FS09 6/16/2025 0.5 < 0.0250	FS06	6/9/2025	1	< 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 FS10 6/3/2025 0.5 <0.0250	FS07	6/5/2025	0.5	< 0.0250	<0.0500	<20.0	31.7	<50.0	31.7	<50.0	<20.0				
F\$10 6/13/2025 0.5 <0.0250 <0.0500 <20.0 79.3 <50.0 79.3 79.3 F\$11 6/16/2025 0.5 <0.0250	FS08	6/16/2025	0.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0				
FS11 6/16/2025 0.5 <0.0250 <0.0500 <20.0 244 73.9 244 318 FS12 6/16/2025 0.5 <0.0250	FS09	6/16/2025	0.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0				
FS12 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS13 6/16/2025 0.5 <0.0250			0.5		<0.0500						<20.0				
FS13 6/16/2025 0.5 <0.0250 0.239 <20.0 477 120 477 597 FS14 6/16/2025 0.5 <0.0250		6/16/2025			<0.0500					318	<20.0				
FS14 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS15 6/16/2025 0.5 <0.0250		6/16/2025		<0.0250			<25.0		<25.0	<50.0	<20.0				
FS15 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <50.0 FS16 6/16/2025 0.5 <0.0250	FS13	6/16/2025	0.5	<0.0250	0.239		477	120	477	597	21.2				
FS16 6/16/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS17 6/9/2025 0.5 <0.0250										l .	<20.0				
FS17 6/9/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS18 6/13/2025 0.5 <0.0250		6/16/2025	0.5		<0.0500		<25.0	<50.0		<50.0	<20.0				
FS18 6/13/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS19 6/6/2025 0.5 <0.0250		6/16/2025	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 FS20 6/16/2025 0.5 <0.0250		6/9/2025		<0.0250	<0.0500		<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 FS21 6/6/2025 0.5 <0.0250											<20.0				
FS21 6/6/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS22 6/17/2025 0.5 <0.0250	FS19	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 FS23 6/13/2025 0.5 <0.0250	FS20	6/16/2025	0.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0				
FS23 6/13/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS24 6/4/2025 0.5 <0.0250	FS21	6/6/2025	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 FS25 6/17/2025 0.5 <0.0250	FS22	6/17/2025	0.5	<0.0250	<0.0500	<20.0	145	83.5	145	229	30.1				
FS25 6/17/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <50.0 FS26 6/17/2025 0.5 <0.0250	FS23	6/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0				
FS25 6/17/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <50.0 <50.0 FS26 6/17/2025 0.5 <0.0250	FS24	6/4/2025	0.5	<0.0250	<0.0500	<20.0	128	75.1	128	203	29.3				
FS26 6/17/2025 0.5 <0.0250 <0.0500 <20.0 <25.0 <50.0 <25.0 <50.0 FS27 6/17/2025 0.5 <0.0250	FS25	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 FS28 6/17/2025 0.5 <0.0250		6/17/2025		<0.0250	<0.0500	<20.0	<25.0	<50.0		<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				
							1				<20.0				
1920 010 000 000 000 000							1				<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								1			<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 Depth Benzene Total BTEX TPH GRO TPH DRO GRO+DRO Total TPH Chloride														
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					
				Excavat	tion Floor Soil S	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)				
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000				
				Excava	tion Floor Soil S	Samples								
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

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.

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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



TABLE 3

SOIL SAMPLE ANALYTICAL RESULTS

Dagger Lake South TB
Matador Production Company
Lea County, New Mexico

	Lea County, New Mexico													
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000				
				Sic	dewall Soil Samp	les								
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

Released to Imaging: 9/30/2025 9:22:17 AM



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NO	OSE POD NO POD1 (TW		.)	WELL TAG ID NO.		OSE FILE NO(CP-1899	S).		
OCAT	WELL OWN			i i		PHONE (OPTI	ONAL)		
WELLL	WELL OWN 4111 S Tid		GADDRESS			CITY Carlsbad		STATE NM 88220	ZIP
GENERAL AND WELL LOCATION	WELL LOCATIO (FROM GP	PS)	DE TITUDE NGITUDE	32 23	59.07 N 16.17 W		REQUIRED: ONE TENTI	H OF A SECOND	
1. GEN	I de mande man of		NG WELL LOCATION TO 22S R33E, NMPM	O STREET ADDRESS AND COMMON LAN	NDMARKS – PLS	SS (SECTION, TO	WNSHJIP, RANGE) WHE	RE AVAILABLE	
	LICENSE NO		NAME OF LICENSED	DRILLER Jackie D. Atkins			NAME OF WELL DRIL Atkins Engir	LING COMPANY neering Associates, I	nc.
	DRILLING ST		DRILLING ENDED 2/24/2022	DEPTH OF COMPLETED WELL (FT) temporary casing		LE DEPTH (FT) ±101	DEPTH WATER FIRST	r encountered (ft) n/a	
N.	COMPLETE	O WELL IS:	ARTESIAN	DRY HOLE SHALLOW (U	NCONFINED)		WATER LEVEL PLETED WELL n/a	DATE STATIC 2/24/22, 3	
RMATIC	DRILLING F	_	AIR ROTARY HAM!	MUD ADDITIVES -		Hollow Stem	Auger CHECK I	HERE IF PITLESS ADAI	PTER IS
& CASING INFORMATION	DEPTH FROM	(feet bgl)	BORE HOLE DIAM	CASING MATERIAL AND/OR GRADE (include each casing string, and	CON	ASING NECTION TYPE	CASING INSIDE DIAM.	CASING WALL THICKNESS	SLOT SIZE (inches)
G & CAS	0	101	(inches) ±8.5	note sections of screen) Boring		ling diameter)	(inches)	(inches)	(menes)
2. DRILLING									
2.]									
							CSS DITMER	1.1. 2022 AMB. 45	
	DEPTH	(feet hal)		LICT AND HIAD CEAL	NATERIAL .	AND.	AMOUNT		
ERIAL	FROM	TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL GRAVEL PACK SIZE-RAI		A. C.	AMOUNT (cubic feet)	METHO: PLACEN	
ANNULAR MATERIAL									
3. AN									
	OSE INTER		99.0	l non vo	2-01		0 WELL RECORD &	LOG (Version 01/2	8/2022)
_	ATION	525	252	8 225 33°	2	WELL TAG II	1177	PAGE	1 OF 2

PAGE 2 OF 2

WELL TAG ID NO.

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)				All same	ESTIMATED
	FROM	то	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	9	9	Sand, Fine-grained, poorly graded with caliche, Brown	Y ✓N	
	9	19	10	Sand, Fine-grained, poorly graded with caliche, Tan	Y ✓N	
	19	34	15	Sand, Fine-grained, poorly graded with sub-angular gravel, Tan	Y ✓N	
	34	44	10	Sand, Fine-grained, poorly graded, Tan	y ✓n	
	44	49	5	Sand, Fine-grained, poorly graded with sub-angular gravel, Brown	Y ✓N	
	49	101	52	Clay, with sand ,Dry, Brown	Y ✓N	
					Y N	
		_			Y N	
					Y N	
					Y N	
					Y N	
					YN	
					YN	
		_			YN	
					YN	
					YN	
					YN	
					YN	
					YN	
		_				
		_				
					Y N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:				TOTAL ESTIMATED WELL YIELD (gpm):	0.00
	PUMP AIR LIFT BAILER OTHER - SPECIFY:				WEED TIDED (gpin).	0.00
5. TEST; RIG SUPERVISION	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well materials removed and he soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips ten feet below ground surface to surface.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
	Shane Eldridge, Cameron Pruitt					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	Jack At	kins		Jackie D. Atkins	3/10/2022	
•	SIGNATURE OF DRILLER / PRINT SIGNEE NAME				DATE	
EAD OSE INTERNALLISE W/D 20 WELL DECORD & LOC (V 01 DE DO2)						
LOI	FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 01/28/2022)					

LOCATION

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,

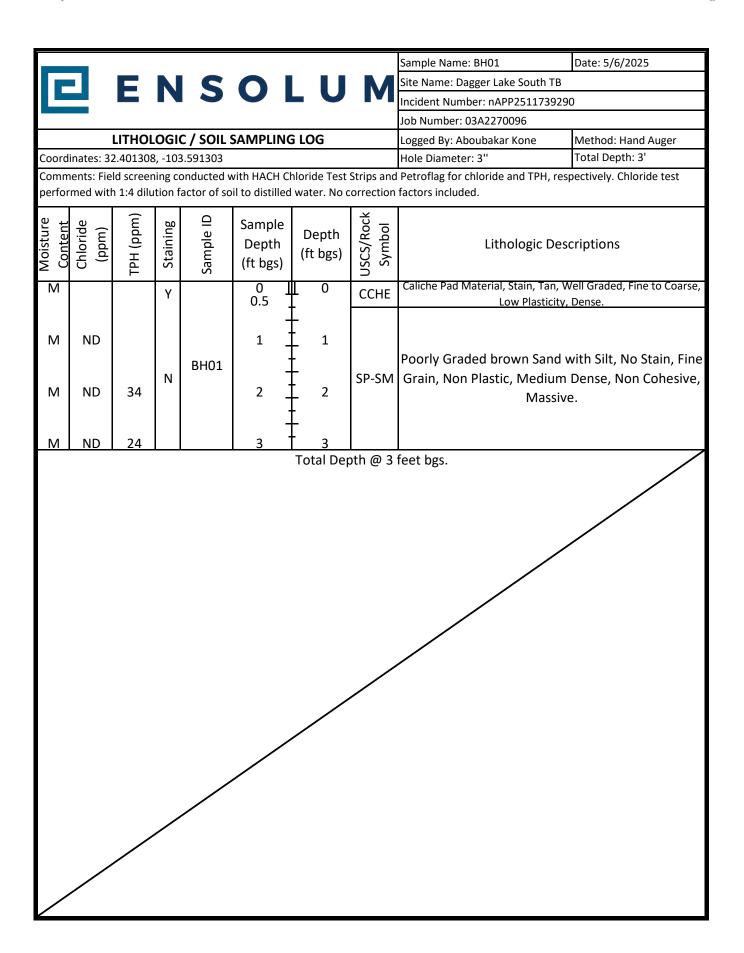
Megen Telles (575) 622-6521

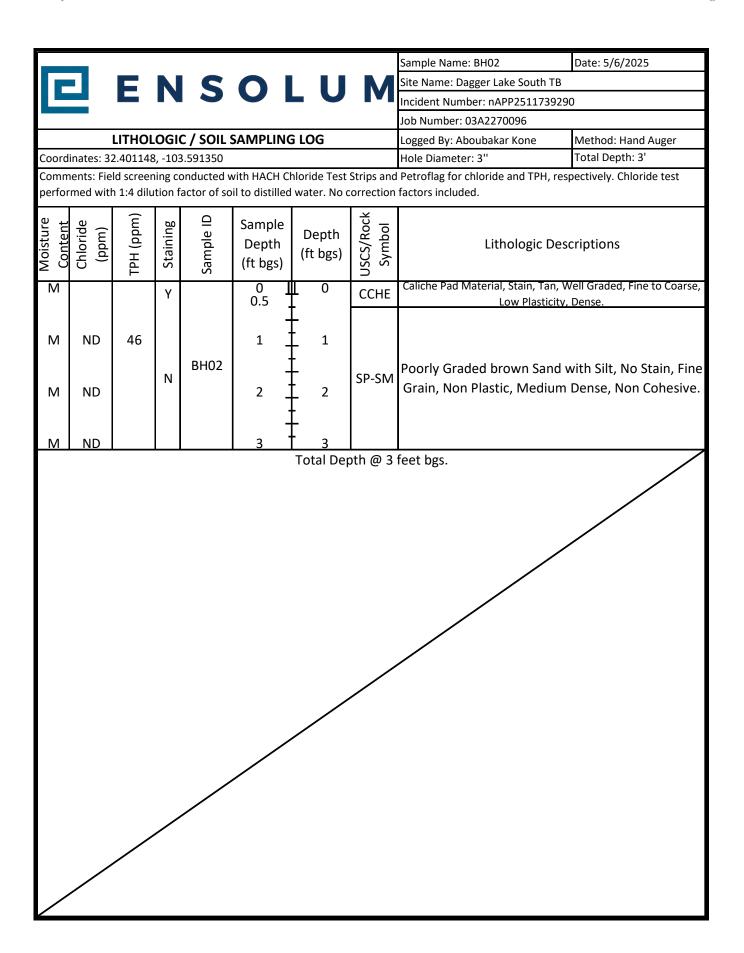
drywell

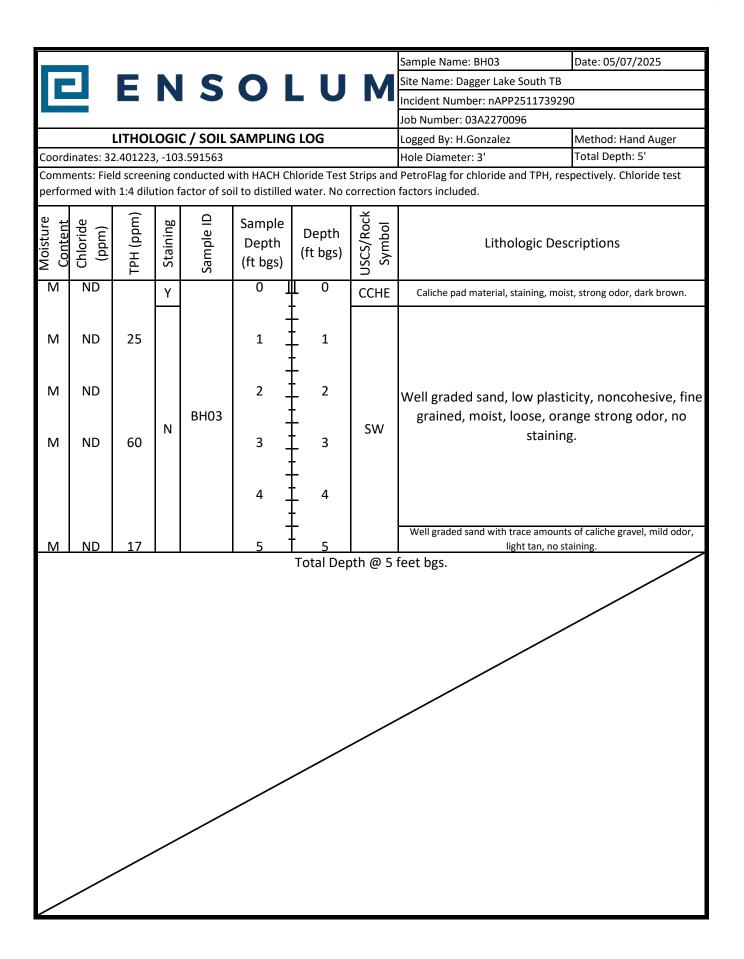


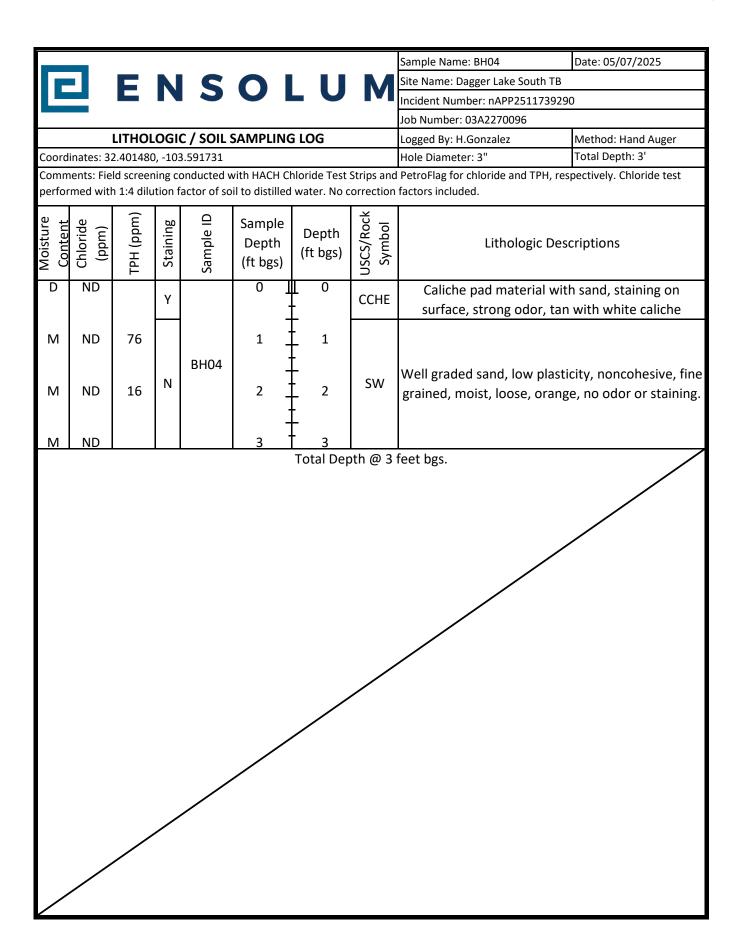
APPENDIX B

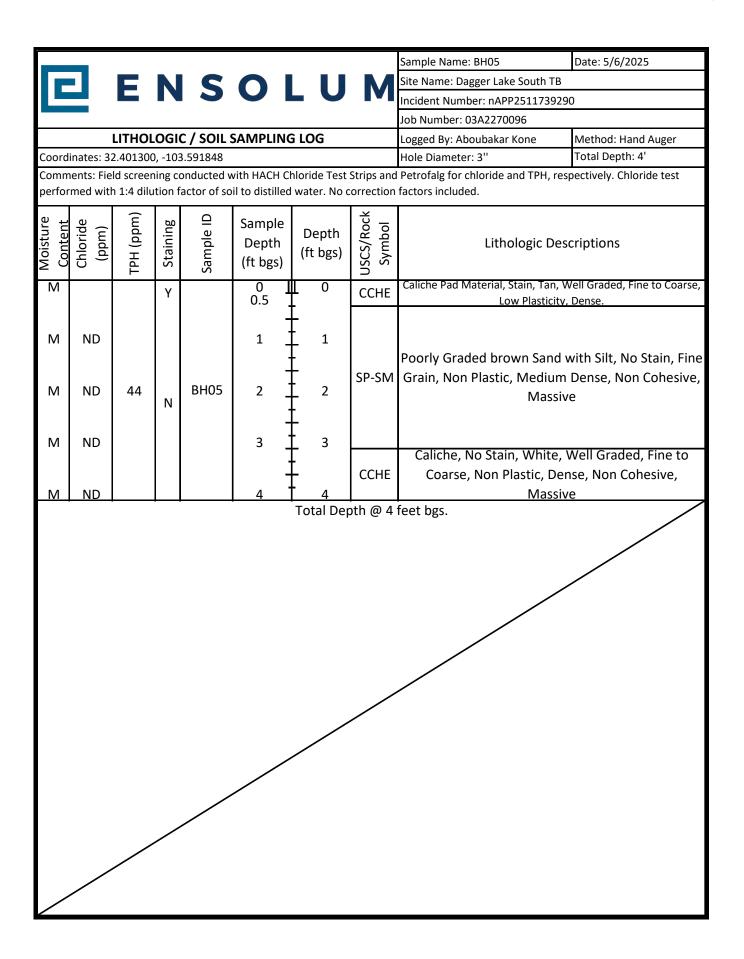
Lithologic Soil Sampling Logs

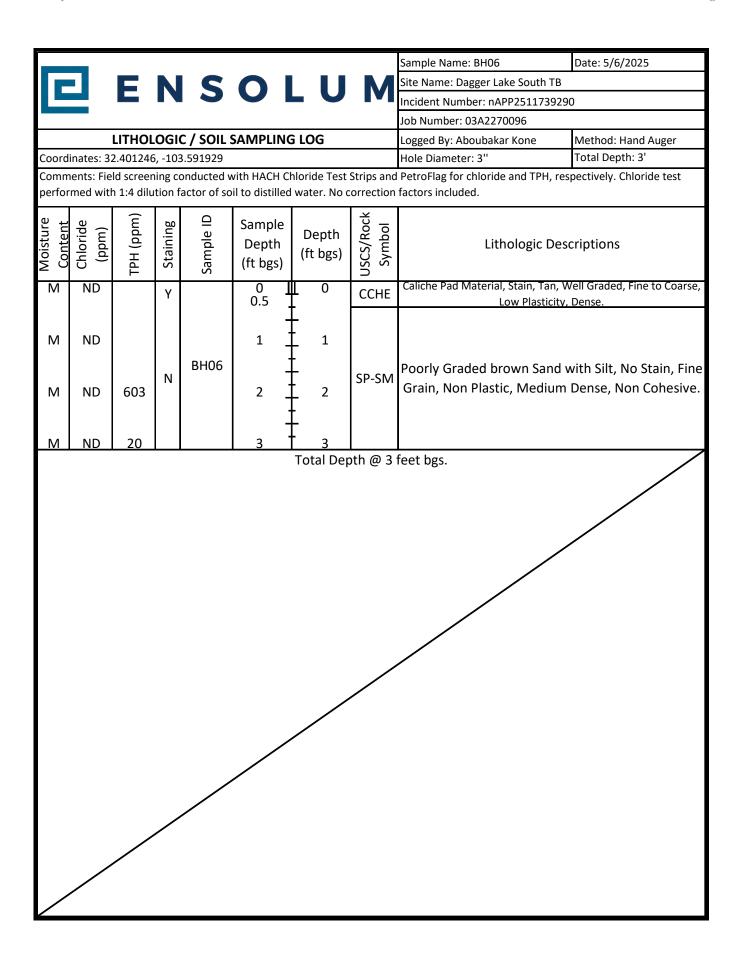


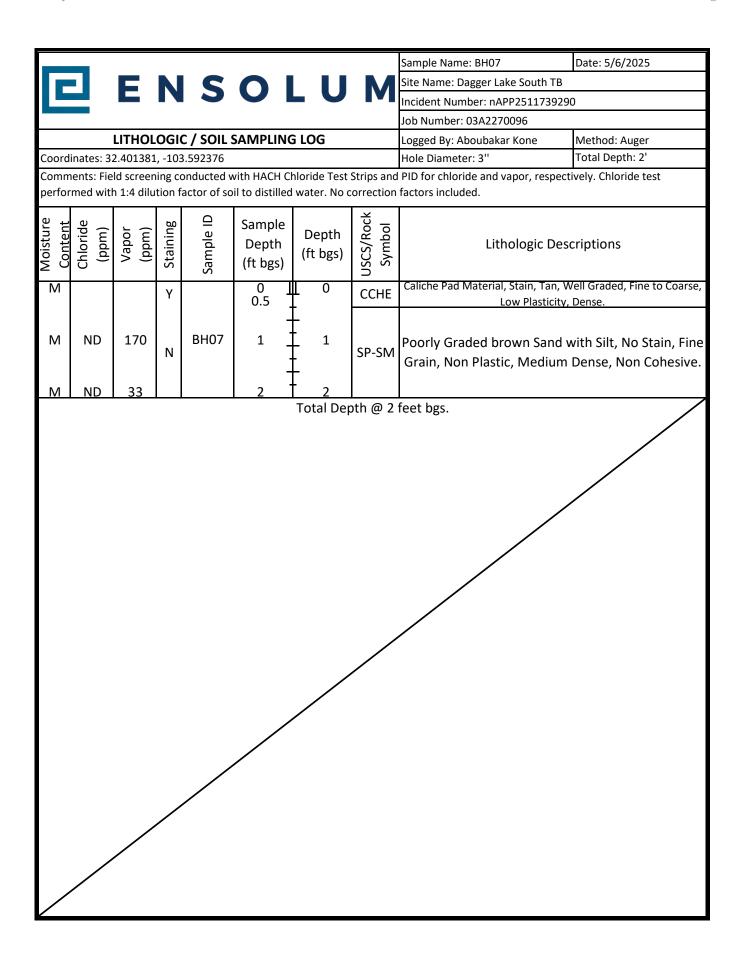














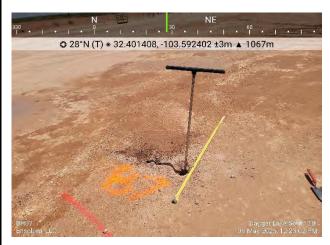
APPENDIX C

Photographic Log



Photographic Log Matador Production Company Dagger Lake South TB nAPP2511739290





Date: 5/6/2025

Date: 5/6/2025

Photograph 1
Description: Lease Sign

escription: Lease Sign View: Southeast Date: 5/5/2025

Photograph 2
Description: Delineation

View: Northeast





Photograph 3
Description: Delineation

View: East

Date: 5/6/2025

Photograph 4

Description: Delineation

View: West

Page 1 of 5



Photographic Log Matador Production Company

Dagger Lake South TB nAPP2511739290





Photograph 5

Description: Delineation View: East

Date: 5/7/2025

Photograph 6

Date: 5/7/2025

Description: Delineation

View: South

South Elevation © 15°N (T) • 32.400927, -103.592447 ±3m ▲ 1067m Excavation Caution Caution Caution Ensolum, LLC



Photograph 7

Date: 6/3/2025

Photograph 8

Date: 6/3/2025

Description: Hydrovac

Description: Hydrovac

View: South

View: East



Photographic Log

Matador Production Company Dagger Lake South TB nAPP2511739290





Photograph 9

Description: Hydrovac View: West

Date: 6/3/2025

Date: 6/5/2025

Photograph 10

Description: Excavation

View: East

Date: 6/5/2025





Photograph 11

Description: Hydrovac

View: South

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

Date: 6/9/2025

Photograph 14 Description: Hydrovac

View: Southwest





Photograph 15

Description: Excavation

View: West

Photograph 16

Description: Excavation

View: East

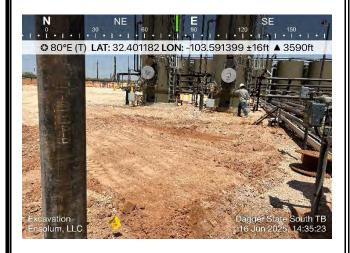
Date: 6/16/2025

Date: 6/9/2025



Photographic Log Matador Production Company

Dagger Lake South TB nAPP2511739290





Photograph 17 Date: 6/16/2025

Description: Excavation

View: East

Photograph 18

Description: Excavation View: North

Date: 6/17/2025

Date: 6/17/2025





Photograph 19 Description: Excavation

View: Northeast

Date: 6/17/2025

Photograph 20

Description: Excavation

View: South

Page 5 of 5



APPENDIX D

NMOCD Correspondence

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

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.	

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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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	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.

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

ACKNOWLEDGMENTS

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 455947

CONDITIONS

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

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
0.111	
Soil type	
pad caliche	
Spill type	
oil(crude)	
Barrel estimate in soil	20.7
Be and a discrete for a discrete field of a constant and	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

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

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

ncident 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	or 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.

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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	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.
	liation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrati eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releating OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are requipasses which may endanger public health or the environment. The acceptance of a C-141 report adequately investigate and remediate contamination that pose a threat to groundwater, surfact the does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 04/28/2025

storage site

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

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

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

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 455998

CONDITIONS

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

Created By		Condition Date
scwells	None	4/28/2025

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 468805

QUESTIONS

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

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	

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

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 468808

QUESTIONS

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

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	

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 468808

CONDITIONS

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

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 468810

QUESTIONS

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

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	06/05/2025	
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	

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 468810

CONDITIONS

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

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 468813

QUESTIONS

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

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.	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			

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 468813

CONDITIONS

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

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 471022

QUESTIONS

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

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

ocation 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

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

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/5/2025

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 471036

QUESTIONS

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

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

ocation 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	06/10/2025
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

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

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

Phone: (505) 629-6116
Online Phone Directory
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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	471040
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

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	

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

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/5/2025

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 472919

QUESTIONS

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

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	

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 472919

CONDITIONS

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

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

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

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	

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 473387

CONDITIONS

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

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

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

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	06/16/2025	
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	

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 473390

CONDITIONS

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

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

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

rerequisites	
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/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 473391

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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	
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	06/16/2025
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/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 473394

CONDITIONS

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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: <u>Jason Touchet</u>; <u>Ashley Giovengo</u>; <u>Arsenio Jones</u>; <u>Bratcher, Michael, EMNRD</u>

Subject: RE: [EXTERNAL] Confirmation Sampling Variance - Dagger Lake South TB - Incident Number nAPP2511739290

Date: Wednesday, May 28, 2025 8:57:20 AM

Attachments: <u>image001.png</u>

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 100year 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,



 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: <u>Jason Touchet</u>
To: <u>eco@slo.state.nm.us</u>

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



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo05/13/25 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.

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	5/13/2025 10:23:36AM

SS01-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	Analy	/st: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.8 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: 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		86.5 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2519081
	26.4	20.0		05/07/25	05/08/25	

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	5/13/2025 10:23:36AM

SS01-1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	An	alyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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		97.3 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2519081
Chloride	ND	20.0	1	05/07/25	05/08/25	



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	5/13/2025 10:23:36AM

SS03-0'

E50		7 0	17
11.711	7117	\ /_II	

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
o,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		97.8 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		99.1 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2519081



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	5/13/2025 10:23:36AM

SS03-1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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		99.1 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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		94.6 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2519081
Chloride	ND	20.0	1	05/07/25	05/08/25	



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	5/13/2025 10:23:36AM

SS04-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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		96.9 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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		97.6 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2519081
· · · · · · · · · · · · · · · · · · ·	42.6	20.0		05/07/25	05/08/25	<u> </u>



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	5/13/2025 10:23:36AM

SS04-1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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		98.8 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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		96.8 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2519081
	75.4	20.0	1	05/07/25	05/12/25	



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	5/13/2025 10:23:36AM

SS05-0'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: 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		98.2 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: 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		99.2 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2519081
Chloride	ND	20.0	1	05/07/25	05/08/25	·



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	5/13/2025 10:23:36AM

SS05-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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		97.9 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: 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	Ana	ılyst: 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		99.9 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2519081



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	5/13/2025 10:23:36AM

SS06-0'

E50		

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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		96.3 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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		100 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2519081



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	5/13/2025 10:23:36AM

SS06-1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	Ana	ılyst: 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	Ana	alyst: 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	Ana	ılyst: DT		Batch: 2519081
· · · · · · · · · · · · · · · · · · ·	ND	20.0		05/07/25	05/08/25	·



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	5/13/2025 10:23:36AM

SS07-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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		96.7 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.6 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: DT		Batch: 2519081
Allions by ETA 500.0/7030A						



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	5/13/2025 10:23:36AM

SS07-1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	An	alyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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		99.9 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2519081
· · · · · · · · · · · · · · · · · · ·	ND	20.0	-	05/07/25	05/08/25	·



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	5/13/2025 10:23:36AM

SS08-0'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	A	nalyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.6 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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		102 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2519081
Chloride	22.8	20.0	1	05/07/25	05/08/25	



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	5/13/2025 10:23:36AM

SS08-1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	nlyst: 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	Ana	ılyst: 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	Ana	alyst: 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	Ana	alyst: DT		Batch: 2519081
	ND	20.0		05/07/25	05/08/25	



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	5/13/2025 10:23:36AM

SS09-0'

E50		-7 1	_
H. 711	7117	\ /_I	-

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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		97.9 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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		104 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2519081



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	5/13/2025 10:23:36AM

SS09-1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	An	alyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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		96.6 %	61-141	05/06/25	05/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2519081
Chloride	ND	20.0	-	05/07/25	05/08/25	



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	5/13/2025 10:23:36AM

SS10-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: 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	An	alyst: DT		Batch: 2519081
	39.5	20.0	1	05/07/25	05/08/25	



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	5/13/2025 10:23:36AM

SS10-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	st: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	05/07/25	05/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		95.6 %	61-141	05/06/25	05/09/25	
	/1	mg/kg	Analy	st: DT		Batch: 2519081
Anions by EPA 300.0/9056A	mg/kg	mg/kg	rinary	5t. D1		Baten: 2317001



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	5/13/2025 10:23:36AM

SS11-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	05/07/25	05/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.8 %	70-130	05/07/25	05/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		98.6 %	61-141	05/06/25	05/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2519081
-	ND				05/08/25	



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	5/13/2025 10:23:36AM

SS11-1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/07/25	05/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2519063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/25	05/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	05/07/25	05/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		95.8 %	61-141	05/06/25	05/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: 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 TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/13/2025 10:23:36AM

Dallas TX, 75240		Project Manager:		shley Gioveng	o			5/1	3/2025 10:23:36AN	
Volatile Organics by EPA 8021B										
Analyte	D 1:	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Analyst: BA	
	Result mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2519063-BLK1)					Prepared: 05/07/25 Analyzed: 05/07/25					
Benzene	ND	0.0250					1			
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: 0	5/07/25 Anal	lyzed: 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				
p-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		

96.5

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.72

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/13/2025 10:23:36AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			5/1	3/2025 10:23:36AN
	RO			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: 0	5/07/25 Anal	yzed: 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: 0	5/07/25 Anal	yzed: 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: 0	5/07/25 Anal	yzed: 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: 0	5/07/25 Anal	yzed: 05/07/25
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.5	70-130	4.37	20	

8.00

7.28

91.0

70-130

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/13/2025 10:23:36AM

Bullus 171, 732 10		Troject Manage		mey Groveng	,,,			***	
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519058-BLK1)							Prepared: 0	5/06/25 Anal	yzed: 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: 0	5/06/25 Anal	yzed: 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: 0	5/06/25 Anal	yzed: 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: 0	5/06/25 Anal	yzed: 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			



Matrix Spike Dup (2519081-MSD1)

Chloride

317

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manager	: 2	Dagger Lake So 3003-0002 Ashley Gioven				5/	Reported: /13/2025 10:23:36AM
		Anions	by EPA	300.0/9056	A				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: 0	5/07/25 An	alyzed: 05/08/25
Chloride	ND	20.0							
LCS (2519081-BS1)							Prepared: 0	5/07/25 An	alyzed: 05/08/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2519081-MS1)				Source:	E505057-	-06	Prepared: 0	5/07/25 An	alyzed: 05/12/25
Chloride	320	20.0	250	75.4	97.9	80-120			

250

20.0

Source: E505057-06

96.6

80-120

1.04

QC Summary Report Comment:

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



Prepared: 05/07/25 Analyzed: 05/12/25

20

Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Dagger Lake South TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	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.



Released to Imaging: 9/30/2025 9:22:17 AM

Client Information					Invoice Inf				Lab Use Only TAT					State							
	atador Prod					Company: Ensolum L				ab W		~		lob N	lumb	er	_ 1	D	2D :	3D St	NM CO UT TX
	agger			17B		Address: 3122 Nation			<u> E</u>	50	2	<u>າວ</u>	14	<u> 230</u>	<u>03·(</u>	ω				Х	
	lanager: Ash					City, State, Zip: Carlsb		0	—	_											50.0
	3122 Nation				⊣ 1	Phone: 575-988-005			— I	⊢	_			Ana	ysis	ang i	Metho				EPA Program
	e, Zip: Carlsl 75-988-005		88220		H.	Email: agiovengo@e	ensolum.com				- 1		I	ĺ							SDWA CWA RCRA
	/ 3-988-003 : :iovengo@e:				'	Miscellaneous:			1	1.								1			Compliance Y or N
ciliali. ag	<u>lloverigo@ei</u>	isolum.ce	om		L						8012	8015						۱ پ			Compliance Y or N PWSID#
•				Samp	le Inform	ation				\dashv	DRO/ORO by	GRO/DRO by	втех by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	KLKA 8 Metais	l		LAADID#
Time	Data Carralad	A4-4-1-	No. of	·		Comple ID		<u>ة</u> و	Lab	_	<u>ة</u>	<u>ة</u>	<u>۾</u>	<u> </u>	퉏	မွ်	<u> </u>	ē		- [Remarks
Sampled	Date Sampled	Matrix	Containers			Sample ID		声	Lab Numb	er		8	BEE	š	충	8	<u> </u>	<u> </u>			
10:27	5/5/2025	S	1			SS01-0'			1		ŀ	ľ				Х					3.6
10:34	5/5/2025	S	1	-		SS01-1'			2	\top		1				x		1	T		3.8
10.45	5/5/2025					ccoa ol		╀		+	\dashv	-+					\dashv	\dashv	\dashv	+	+ -
10:45	5/5/2025	S	1			SS03-0'			3							X					4.2
10:50	5/5/2025	S	1			SS03-1 [']			4							X					4.8
10:52	5/5/2025	S	1			SS04-0'			5							Х					3:4
10:54	5/5/2025	s	1			SS04-1'			6							х					4.2
10:58	5/5/2025	s	1			SS05-0'			7							х					4.0
11:09	5/5/2025	S	1			SS05-1'			8							х					3.0
11:12	5/5/2025	S	1			SS06-0'			9							х					36
11:16	5/5/2025	S	1			SS061'			10							х					3.3
						n, agiovengo@ensolur	m.com, cham	ilton(@ensol	lum.	com	, iest	rella	@er	soul	m.co	m, bs	imn	nons(enso	lum.com,
<u>igonzalez I. (field samo</u>	ler), attest to the	com. bm	oir@enso	of this sample	<u>oaderinto</u> Lamaware	@ensolum.com that tampering with or intention	onally mislabeling t	he sam	nole locati	ion, da	ate or	time o	f calls	ction	s cons	idered	fraud a	d ma	av he gi	ounds fo	r legal action.
Sampled by:	Abounakar		,	- · · · · · · · · · · · · · · · · · · ·			,			,									-, 0.		
	d by: (Signatu)	el	Date	1/ _	Time	Received by: (Signature		Date			ime				1	•					nust be received on ice the day they are
		5	5/	6/25	7:11	Marissa do	msales	15.	6.2	5 KU	7	U	ı				or recel	red pa	cked in	ice at an a	vg temp above 0 but less than 6 °C on
Relinquishe	d by: (Signatur	e)e	Date 5-	1 01	Time	Received by: (Signature	e)	Date		T P	ime		\Box		ı					Lab I	Jse Only
Mark	a by (signatur	Zaiko		6-25	1730	J.M.		5.	6.25	5		23				Rece	ived c	n ic	e: ((Y) / □	N
Relinquished by: (Signature) Date Time Received by: (Signature) S. L. 23 2 400 Auth MA						ma	Date	1. 25	,"	ime (77)/	つ つ				Т1			7	.2	Т3	
Relinquishe	d by: (Signatur	e)	Date		Time	Received by: (Signature		Date	, ,,,	1	ime		\dashv			<u> </u>			<u> </u>		
	., (•					•									AVG	Temp	°c			
	ix: S - Soi l, Sd - So								tainer Ty						istic,	ag - a	mber	glas			
Note: Samp	les are discard	ed 14 days	after results	are reported	d unless oth	er arrangements are made.	Hazardous samp	les wil	l be retu	rned	to clie	ent or	dispo	sed o	f at th	e clie	nt expe	nse.	The re	port 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.

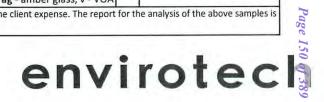


envirotech

0
32
ge
ď
_

	Clie	nt Inform	ation	- 0			Invoice	Informati	on				La	ab Us	se On	ly				TAT			Stat	e
ient: N	atador Prod	uction Co	mpany			npany:					La	ab WO#	+		Job I	Num	oer		1D	2D 3E	Std	Std NM CO UT TX		TX
	agger Lake S							tional Park			_ E	505	05	7	3	<i>603</i> ·	X X X				X			
	anager: Ash				1		_	rlsbad NM,	88220	_	- 1	_											DA D	
	3122 Nation				100	ne: 57		The sales are serviced			-				Ana	ilysis	and	ivieti	noa	-	_	SDWA	PA Progra	RCRA
	e, Zip: Carlsb 75-988-0055		00220			aii: ag ellaneou		@ensolum	1.com	_	-											JUVA	CWA	Henry
	iovengo@er		om		IVIISC	enaneou	us.					15	15									Complian	ice Y	or N
									-			by 8015	y 8015	77	0	0.0	5	×	tals			PWSID#		
				Sample II	nformatio	n			-			2	ROb	y 80	, 826	de 30	Z	- 500	3 Me				_	
Time ampled	Date Sampled	Matrix	No. of Containers			Sample II	D		ai	Filter	Lab Numb	er DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	5
11:20	5/5/2025	S	1			SS07-0'					11						X					3.7		
11:24	5/5/2025	S	1			SS07-1'					12						Х					2.8		
11:56	5/5/2025	S	1			SS08-0'					13						Х					3.1		
12:02	5/5/2025	S	1		SS08-1'					14						Х					3.6			
12:05	5/5/2025	S	1		SS09-0'					15						Х					29			
12:10	5/5/2025	S	1			SS09-1					16						Х					2.6	11 10	
11:28	5/5/2025	S	1			SS10-0'					17						Х					2.0		
11:34	5/5/2025	S	1			SS10-1					16						Х					2.4		
11:38	5/5/2025	S	1			SS11-0	1				19						Х					3.0		
11:42	5/5/2025	S	1			SS11-1	'				20						Х					3.1		
onzale	@ensolum.	com. bm	oir@ensol	orton@ensolu um.com. oad of this sample. I ar	erinto@e	nsolum.	com																	
mpled by:	Aboubakar d by: (Signatur		Date 5	8/25 Time	7.11	Received Mark	by: (Signa	ature) Lonza	les	Sate	6-2-	Time	71	1					na was			ust be received g temp above (
Marl	d by: (Signature	izales	Date	Time	730	Received		ature)	4	Date	4.2	Time	73				Rece	eived	l on i	-	Lab U Y/ N	Ise Only		
1.	d by: (Signature		70.00	4.25 Time	240	Received	the	Me		Date Date	7.29		00				<u>T1</u>			<u>T2</u>	2		<u>T3</u>	
quisiii	a by. (bigilatur	-1	50.0	7			~ 1. (DIBITI			-		1					ANIC	T	np °C					





envirotech Inc.

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/07/25 08	3:00	Work Order ID:	E505057
Phone:	(972) 371-5200	Date Logged In:	05/06/25 14	4:51	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/13/25 1	7:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comment	s/Resolution
Sample T	Turn Around Time (TAT)	ion.				
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	•					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	were custody/security seals intact?					
-	•		NA			
	e sample received on ice? Note: Thermal preservation is not required, if samples a 15 minutes of sampling		Yes			
13. See C	OC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded ir	comments.		
	Container					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers		Yes			
19. Is the a	appropriate volume/weight or number of sample contain	iners collected?	Yes			
Field Lab	<u>oel</u>					
	field sample labels filled out with the minimum inf	ormation:				
	ample ID?		Yes			
	ate/Time Collected? ollectors name?		Yes			
	reservation		Yes			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?	reserved.	NA			
	filtration required and/or requested for dissolved m	netals?	No			
			110			
	se Sample Matrix the sample have more than one phase, i.e., multipha	9	2.7			
			No			
	, does the COC specify which phase(s) is to be anal	iyzed?	NA			
	act Laboratory					
	amples required to get sent to a subcontract laborate	•	No			
29. Was a	subcontract laboratory specified by the client and	if so who?	NA	Subcontract Lab: NA		
Client Ir	<u>nstruction</u>					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

٦	itle Page	1
(Cover Page	2
7	able of Contents	3
5	Sample Summary	5
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.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo05/14/25 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.

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	5/14/2025 3:10:46PM

SS02-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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		103 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	05/08/25	05/12/25	
	ma/ka		Analys	+. IIM		Batch: 2519126
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Allalys	i: nivi		Buten: 2317120
	ND	25.0	Anarys 1	05/09/25	05/10/25	Batch. 2317120
Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)			1 1		05/10/25 05/10/25	Butch. 2317120
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND	25.0	1 1 61-141	05/09/25		Butch: 2313120
Diesel Range Organics (C10-C28)	ND	25.0 50.0	1 1	05/09/25 05/09/25 05/09/25	05/10/25	Batch: 2520013

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	5/14/2025 3:10:46PM

SS02-1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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		106 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.9 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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		110 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2520013
Chloride	ND	20.0	1	05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH07-0'

		E505089-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		125 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	184	20.0	1	05/08/25	05/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2519126
Diesel Range Organics (C10-C28)	12300	250	10	05/09/25	05/12/25	Т9
Oil Range Organics (C28-C36)	4090	500	10	05/09/25	05/12/25	
Surrogate: n-Nonane		185 %	61-141	05/09/25	05/12/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2520013
Chloride	39.0	20.0	1	05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH07-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.5 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		100 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2520013
				05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH07-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	Anal	yst: DT		Batch: 2520013



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	5/14/2025 3:10:46PM

BH06-0'

E505089-0	6
-----------	---

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		119 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	366	20.0	1	05/08/25	05/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		114 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: HM		Batch: 2519126
Diesel Range Organics (C10-C28)	20400	250	10	05/09/25	05/12/25	Т9
Oil Range Organics (C28-C36)	7330	500	10	05/09/25	05/12/25	
Surrogate: n-Nonane		298 %	61-141	05/09/25	05/12/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2520013
		20.0		05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH06-2'

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.4 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		99.4 %	61-141	05/09/25	05/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2520013
Chloride	531	20.0	1	05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH06-3'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.8 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		101 %	61-141	05/09/25	05/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2520013
Chloride	ND	20.0	1	05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH02-0'

E505089-09						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		114 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	160	20.0	1	05/08/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: HM		Batch: 2519126
Diesel Range Organics (C10-C28)	8330	25.0	1	05/09/25	05/12/25	Т9
Oil Range Organics (C28-C36)	2910	50.0	1	05/09/25	05/12/25	
Surrogate: n-Nonane		206 %	61-141	05/09/25	05/12/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2520013
Chloride	ND	20.0	1	05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH02-1'

Reporting						
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	A	nalyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	05/08/25	05/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		106 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2520013
Chloride	ND	20.0	1	05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH05-0'

E505089-	

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	431	20.0	1	05/08/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		118 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: HM		Batch: 2519126
Diesel Range Organics (C10-C28)	13300	250	10	05/09/25	05/13/25	Т9
Oil Range Organics (C28-C36)	4220	500	10	05/09/25	05/13/25	
Surrogate: n-Nonane		275 %	61-141	05/09/25	05/13/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2520013
· · · · · · · · · · · · · · · · · · ·	ND	20.0		05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH05-1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.1 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		101 %	61-141	05/09/25	05/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2520013
Chloride	ND	20.0	1	05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH05-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.7 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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		106 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2520013
Chloride	26.9	20.0	1	05/12/25	05/12/25	



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	5/14/2025 3:10:46PM

BH01-0'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		114 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	86.7	20.0	1	05/08/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	05/08/25	05/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: n-Nonane		131 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2520013
Chloride	ND	20.0	1	05/12/25	05/12/25	·



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	5/14/2025 3:10:46PM

BH01-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		108 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2520013
· ·	ND	20.0		05/12/25	05/12/25	•



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	5/14/2025 3:10:46PM

BH01-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2519103
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.3 %	70-130	05/08/25	05/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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		106 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2520013
Chloride	ND	20.0	1	05/12/25	05/12/25	·



QC Summary Data

Matador Resources, LLC. Dagger Lake South TB Project Name: 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 RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2519103-BLK1) Prepared: 05/08/25 Analyzed: 05/12/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.40 8.00 105 70-130 LCS (2519103-BS1) Prepared: 05/08/25 Analyzed: 05/12/25 4.85 5.00 97.0 70-130 0.0250 Benzene Ethylbenzene 4.86 0.0250 5.00 97.2 70-130 4.82 70-130 0.0250 5.00 96.5 Toluene 4.82 96.4 70-130 o-Xylene 0.0250 5.00 9.49 0.0500 10.0 94.9 70-130 p,m-Xylene 14.3 95.4 70-130 0.0250 15.0 Total Xylenes 109 70-130 8.00 Surrogate: 4-Bromochlorobenzene-PID 8.69

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-Bromochlorohenzene-PID	8 38		8.00		105	70-130		

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/14/20253:10:46PM

Dallas TX, 75240		Project Manage	r: As	hley Gioveng	go			5/1	4/2025 3:10:46PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			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: 0:	5/08/25 Anal	yzed: 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: 0:	5/08/25 Anal	yzed: 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: 0	5/08/25 Anal	yzed: 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: 0:	5/08/25 Anal	yzed: 05/12/25
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.9	70-130	14.1	20	

8.00

6.88

86.0

70-130

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/14/20253:10:46PM

Dallas 171, 732 10		Troject Manage		mey Groveng	-			• • •	
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519126-BLK1)							Prepared: 0	5/09/25 Anal	yzed: 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: 0	5/09/25 Anal	yzed: 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: 0	5/09/25 Anal	yzed: 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: 0	5/09/25 Anal	yzed: 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.	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								
Aniona by EDA 200 0/0056 A											

		Analyst: DT							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520013-BLK1)	5/12/25 An	alyzed: 05/12/25							
Chloride	ND	20.0							
LCS (2520013-BS1)							Prepared: 0	5/12/25 An	alyzed: 05/12/25
Chloride	265	20.0	250		106	90-110			
Matrix Spike (2520013-MS1)				Source:	E505089-	06	Prepared: 0	5/12/25 An	alyzed: 05/12/25
Chloride	277	20.0	250	ND	111	80-120			
Matrix Spike Dup (2520013-MSD1)				Source:	E505089-	06	Prepared: 0	5/12/25 An	alyzed: 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.



										,													
	Clie	nt Inform	nation			Invoice Information						La	b Us	e On	ly				TA	ΛT.		State	
	Matador Proc					Com	pany: Ensolum Ll	C			Lab \	WO#			I dol	Num	ber _		1D	2D	3D	Std	NM CO UT TX
	Dagger			TH			ress: 3122 Nation			— L	<u>ES</u>	<u> 205</u>	08	\mathfrak{L}	<u>230</u>	<u> 20</u>	w	<u> </u>			;	X	X
	Manager: As					1	State, Zip: Carlsb	_	0	— I							· .						
	3122 Natio				_	Phon	ie: 575-988-0055	5		[- 1										EPA Program		
	te, Zip: Carls		88220		_		il: agiovengo@e	nsolum.com			- 1										l		SDWA CWA RCRA
	<u>575-988-005</u>					Miscellaneous:					1									l			la l
<u>Email: a</u>	giovengo@e	nsolum.co	om			L						3015	3015						,				Compliance Y or N PWSID#
<u></u>				Samn	le Infor	mation					_	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				F 443ID #
Time			No. of				-		<u>ة</u> ط	La	ь	ğ.) OR	, d	ρģ	ride	ပွဲ	8	8	l			Remarks
Sampled	Date Sampled	Matrix	Containers			Sa	ample ID		Field	Num		8 8	g	вте	Š	岩	89	TŒC	RCR				
14:06	5/6/2025	s	1			9	SS02-0'										х						1.4
			_														<u> </u>			Ш			1,7
14:16	5/6/2025	s	1			9	SS02-1'			2							х						1.6
11:17	5/6/2025	s	1			E	3H07-0'			3							х						4.6
11:27	5/6/2025	S	1	BH07-1'					4								х						36
11:29	5/6/2025	S	1	BH07-2'						5							х						4.1
12:26	5/6/2025	s	1	BH06-0'						6	,						х		_				4.7
12:40	5/6/2025	s	1			E	3H06-2'			7							х						35
12:45	5/6/2025	s	1			E	3H06-3'			8							х						3.4
15:01	5/6/2025	S	1			E	3H02-0'			9							x						1.4
15:04	5/6/2025	S	1			E	3H02-1 [']			lo)						х						1.8
Addition	al Instructio	ns: Plea	se CC: cbi	urton@ens	solum.c	om, agi	iovengo@ensolun	n.com, cham	ilton	@ens	olun	n.cor	n, ies	trell	a@e	nsou	lm.c	om, l	osim	mons	s@en	rsolu	ım.com,
	z@ensolum.																						
1		•	l authenticity	of this sample	. I am awa	ere that ta	mpering with or intentio	nally mislabeling t	the san	nple loc	ation,	date c	or time	of col	ection	is con	sidere	d traud	and n	nay be	ground	is tor	legal action.
Sampled by:	:Aboubaka ed by: (Signakor	_	Insta	15	Time .	ما	location by: (Signature		Date			Time					Sample	es requi	ring the	ermal or	eservati	ion mu	ust be received on ice the day they are
1			51	7/25	7:1		eceived by: (Signature			7.2	<u>s</u>	٥	711				•		-	•	in ice at	an avg	g temp above 0 but less than 6 °C on
Relindush	esby: Bignard	onzalo	es Date	1 is	IS3	გ R	deceived by (Signature		Date	7-2	5	Time	53,				Rec	eived	on i	ce:	(Y)		se Only
Relinquish	ed by: (Signatur	e)	Date 5	-7-25	Time 22		leadived by: (Signature	Mars	Date 5.	8.8	5	Time	00)			<u>T1</u>			<u></u>	T2_		<u>T3</u>
Reinquished by: (5 g lature) Date Time						Q.	etelved by: (Signature	2)	Date			Time					AVG	Tem	ıp °C	·			
Sample Mat	rix: S - Soil, Sd - S	olid, Sg - Sluc	ge, A - Aque	ous, O - Other						tainer							, ag -	ambe	r gla	SS, V -			
Note: Sam	ples are discard	ed 14 days	after results	are reported	d unless o	ther arra	ingements are made. I	Hazardous samp	oles wi	ll be re	turne	d to c	lient o	r disp	osed	of at t	he clie	ent ex	pense	. The i	report	for t	he 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	i Oi Ci	นวเเ	Juy															, 48	<u> </u>	_ `
	Clie		Invoice Information					Lab Use Only									TA	\T				Sta	e						
	latador Prod					Con	npany: I	Ensolum	n LLC				Lab WO# Job Number								1D	2D	3D S	Std	N	M	:O U1	TX	
Project:	PARGET	Lalke 9	justh	TB							_ [ΕĆ	505	CP.	ላ	23	∞	α	え			X		X	丁				
Project N	lanager: Ast		City, State, Zip: Carlsbad NM, 88220																										
Address:	3122 Nation		Phone: 575-988-0055						ſ		Analysis and Method EPA Program								am										
City, Stat	e, Zip: Carlsl		Email: agiovengo@ensolum.com						1												SDW	A	CWA	RC	RA				
Phone: 5	75-988-005	5				Misc	ellaneou	s:				\Box	- {											Г					
Email: ag	giovengo@ei	nsolum.co	om			1						ŀ		51	<u>بر</u>									[Compl	iance	Y	or	N
•														8	- 8	Ξ:		0.0	<	ے ا	sls	l			PWSI)#			
				Sam	ple Infor	matio	n							8	ខ្លឹ	78	826	e 30	Ž	8	Met								
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID						Filter	Lai Num		DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					-	Remark	s 	
13:33	5/6/2025	S	1				BH05-0'					11							Х						3,	1			
13:37	5/6/2025	S	1				BH05-1'					12	2						X					-	4. 1				
13:40	5/6/2025	s	1		BH05-2'						13							х					1	7.5	-				
14:48	5/6/2025	S	1		BH01-0'						14							х						Z.'					
14:52	5/6/2025	s	1		BH01-1'						15	5						х						2.3	3	-			
14:43	5/6/2025	s	1		BH01-2'						14							х						3.5					
						· · · ·						<u> </u>																	
									-																				
																								\dashv					
									<u>. </u>															寸					
ı	al Instruction								lum.com, c	chamil	ton@	ense	olum	n.con	n, ies	trell	a@e	nsou	lm.c	om, l	osimi	mons	s@en:	solur	n.con	n,			
	z@ensolum.e pler), attest to the								nation alle misla	haliaa sh		ala laar		doto o	- *!	-£11	ti	la aaa	idaga	1 6	1	ba		for la	aal aasi				
Sampled by:	••	•	authenticity	Of this samp	e. I alli awa	are that t	antherring w	atii or iiitei	inticinally intisia	nemik m	e sam	pie ioca	ation,	uate u	r time	DI COII	ection	is con	siuei ei	ı ıı auu	anu m	iay be i	Ricuitus	ioi ie	gai acti	JII.			
			Date		Time	Ti	Received b	w· (Signati	turel	- Ii	Date			Time					Sample	s requi	ring the	rmal pr	eservatio	n must	be recei	ved on	ice the da	y they are	,
Relinquished by (Signature) Date 5/7/25 7: 11						<i>]</i>] [Mich	Me.	Gonza	Per.		7.25			7 /				sample	d or re	ceived p	oacked i	in ice at a	n avg to	emp abo	ve O bu	t less than	6°C on	
Relinguishe	ed by: (Signatur	e)	Date	7-25	Time		Received b	y: (Signat	ivre)		Date			Time					Eubear Eubear		nn •		_		e Only	,			
	ed by: (Signatur		Date	1.1.7	Time	<u> </u>	Reserved b	19 (Staken	uro	-	ور Date	7-2	<u>ပ</u>	Time	<u>73</u> 2	'			Received on ice: (Y)/ N										
1//	1 /2	·	5-	7-25	220) بع	<u> AiX</u>	Ly.	Mari			8. S	5	7	<u> </u>	2			<u>T1</u>			_	<u>T2</u>		_	_]	3		
Relinquishe	ed by: (Signatur	e)	Date		Time	[Received b	y: (Signati	fure)		Date			Time					AVG	Tem	ıp °C								
Sample Mat	rix: S - Soil, Sd - So	olid, S g - Sluc	ge, A - Aque	ous, O - Othe	r						Cont	ainer	Type	:g-g	lass,	p - pc	oly/pl	astic,	ag -	ambe	r glas	ss, v -	VOA	T					

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 Inc.

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	05/08/25	07:00	Work Order ID:	E505089
Phone:	(972) 371-5200	Date Logged In:	05/07/25	14:57	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/14/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	atch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss	•			Comment	ts/Resolution
Sample '	Furn Around Time (TAT)				<u> </u>	
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
-	ne sample received on ice?		Yes			
12. 1143 1	Note: Thermal preservation is not required, if samples a	re received within	168			
	15 minutes of sampling					
13. See C	COC for individual sample temps. Samples outside	of 0°C-6°C will be	recorded	in comments.		
Sample (<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	on-VOC samples collected in the correct container	s?	Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum int	formation:	**			
	ample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes Yes			
	Preservation_		103			
	the COC or field labels indicate the samples were	oreserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved n	netals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiph	ase?	No			
	s, does the COC specify which phase(s) is to be ana		NA			
		.,	1424			
	ract Laboratory amples required to get sent to a subcontract laborat	omr?	No			
	a subcontract laboratory specified by the client and	-	NA	Subcontract Lab: NA		
		11 30 WHO:	1421	Suocontract Lau. NA		
Client I	<u>nstruction</u>					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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

Client Sample ID	Lab Sample ID Matri	x 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.



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	5/15/2025 11:01:52AM

BH03-0' E505109-01

		E303107-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		yst: RKS		Batch: 2519140
Benzene	0.995	0.250	10	05/09/25	05/13/25	Batch. 2317140
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	Anal	yst: 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	Anal	yst: HM		Batch: 2519163
Diesel Range Organics (C10-C28)	26100	500	20	05/09/25	05/14/25	Т9
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	Anal	yst: IY		Batch: 2520027
*						



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo5/15/2025 11:01:52AM

BH03-1'

E505109-02 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: RKS Batch: 2519140 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 05/13/25 ND 0.0250 05/09/25 Benzene 1 05/09/25 05/13/25 Ethylbenzene ND 0.0250 ND 0.0250 05/09/25 05/13/25 Toluene 1 05/09/25 05/13/25 o-Xylene ND 0.0250 05/09/25 05/13/25 ND 0.0500 1 p,m-Xylene 05/09/25 05/13/25 1 Total Xylenes ND 0.0250 99.7 % 05/09/25 05/13/25 Surrogate: Bromofluorobenzene 70-130 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 ND 05/09/25 05/13/25 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 99.7 % 05/09/25 05/13/25 70-130 05/13/25 Surrogate: 1,2-Dichloroethane-d4 99.5 % 70-130 05/09/25 Surrogate: Toluene-d8 05/09/25 05/13/25 100 % 70-130 mg/kg Analyst: HM Batch: 2519163 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 05/14/25 ND 25.0 1 05/09/25 Diesel Range Organics (C10-C28) ND 50.0 1 05/09/25 05/14/25 Oil Range Organics (C28-C36) 93.1 % 61-141 05/09/25 05/14/25 Surrogate: n-Nonane mg/kg mg/kg Analyst: IY Batch: 2520027 Anions by EPA 300.0/9056A

20.0

ND

1

05/12/25

05/13/25



Chloride

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	5/15/2025 11:01:52AM

BH03-2'

		E505109-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	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

20.0

05/12/25

05/13/25

ND



Chloride

Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo5/15/2025 11:01:52AM

BH04-0'

E505109-04

		Reporting					
Analyte	Result	Limit	Dilu	tion	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:	НМ		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	<u> </u>	05/09/25	05/14/25	
Surrogate: n-Nonane		104 %	61-141		05/09/25	05/14/25	
A . 1 EDA 200 0/005/A	mg/kg	mg/kg		Analyst:	IY		Batch: 2520027
Anions by EPA 300.0/9056A	<i>U U</i>						



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo5/15/2025 11:01:52AM

BH04-1' E505109-05

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg		A	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	A	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	A	Analyst: IY		Batch: 2520027
Chloride	ND	20.0	1	05/12/25	05/13/25	



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo5/15/2025 11:01:52AM

BH04-2'

E505109-06

		Reporting					
Analyte	Result	Limit	Di	lution	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



QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/15/2025 11:01:52AM

Dallas TX, 75240		Project Manager	r: As	shley Gioveng	go			5/15	5/2025 11:01:52AN
	V	olatile Organi	ic Compo	unds by EI	PA 82601	В		A	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519140-BLK1)							Prepared: 0:	5/09/25 Analy	yzed: 05/12/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		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: 0:	5/09/25 Analy	yzed: 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			
Foluene	2.27	0.0250	2.50		90.8	70-130			
o-Xylene	2.26	0.0250	2.50		90.4	70-130			
o,m-Xylene	4.52	0.0500	5.00		90.5	70-130			
Fotal 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: 0:	5/09/25 Analy	yzed: 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			
o,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: 0	5/09/25 Analy	yzed: 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	
o,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			
			0.500		0.5	50 120			

0.500

96.7

70-130

0.484

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/15/2025 11:01:52AM

5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager:		23003-0002 Ashley Giovengo					5/15/2025 11:01:52AM
	No	onhalogenated O	rganic	s by EPA 8015	SD - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519140-BLK1)							Prepared: 0	5/09/25	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: 0	5/09/25	Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130			
Gurrogate: 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: E	505109-	05	Prepared: 0	5/09/25	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: E	505109-	05	Prepared: 0	5/09/25	Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	5.31	20	
Gurrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			

0.500

0.500

0.503

0.516

101

103

70-130

70-130



QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo5/15/2025 11:01:52AM

Bullus 171, 732 10		Troject Manage		iney Groveng	,,,				
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519163-BLK1)							Prepared: 0	5/09/25 Analy	vzed: 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: 0	5/09/25 Analy	zed: 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:	E505106-0	01	Prepared: 0	5/09/25 Analy	zed: 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:	E505106-0	01	Prepared: 0	5/09/25 Analy	zed: 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	Project Name: Project Number:	Dagger Lake South TB 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/15/2025 11:01:52AM

	Analyst: IY								
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520027-BLK1)							Prepared: 0:	5/12/25 Anal	yzed: 05/13/25
Chloride	ND	20.0							
LCS (2520027-BS1)							Prepared: 0	5/12/25 Anal	yzed: 05/13/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2520027-MS1)				Source:	E505098-	03	Prepared: 0	5/12/25 Anal	yzed: 05/14/25
Chloride	787	20.0	250	598	75.4	80-120			M2
Matrix Spike Dup (2520027-MSD1)				Source:	E505098-	03	Prepared: 0	5/12/25 Anal	yzed: 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.



Re		01_	Re
ate			ceiv
Т	TX	1	ed by
			00
ra	m		Ü
	RCRA	1	9/
1	or I	V	10/202
ks			Received by OCD: 9/10/2025 2:53:57
			7 PM

Chain of Custody

	Clie	nt Inform	nation			Inv	voice Information					La	b Us	e On	ly				TAT	Г		Sta	te
Client: N	Matador Prod	luction Co	ompany			Company: En	solum LLC		L	ab W	VO#			Job I	Num	ber		1D	2D :	3D Std	N	VI CO U	ГТХ
Project: I	Dagger Lake S	South TB					2 National Parks Hw	y	E	5	05	09		23	203	000	2			Х	X		
Project N	Manager: Ash	nley Giov	engo			City, State, Zip	: Carlsbad NM, 882	20															
Address:	3122 Nation	nal Parks	Hwy			Phone: 575-9	988-0055							Ana	lysis	and	Met	hod				EPA Prog	ram
	e, Zip: Carls		88220			Email: agiov	engo@ensolum.con	1							-						SDW	CWA	RCRA
Phone: 5	75-988-005	5				Miscellaneous:																	
Email: a	giovengo@e	nsolum.c	om								115	115									Compli		or N
											y 80	y 80	11	0	0.0	5	×	als			PWSID	#	
	1			Sam	ple Inforn	nation					RO	80 to	y 80.	826	e 30	Z	- 50	Me					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lab Numb	per	DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remark	S
9:17	5/7/2025	S	1			BH03-0'			1							х					2.2		
9:23	5/7/2025	S	1			BH03-1'			2							х					2.6	,	
9:25	5/7/2025	S	1			BH03-21		16	3							х					2.9		
9:00	5/7/2025	S	1			BH04-0'			4							х					3.1		
9:05	5/7/2025	S	1			BH04-1'			5							Х					2.8		
9:07	5/7/2025	S	1			BH04-21			6			П				х					2.9		
								1	-														
																				- 1 -			
								+	-	+						-				-			
								+		+										-			
Addition	al Instruction	ns: Plea	se CC: chi	ırton@er	solum co	m agiovengo@	Pensolum.com, chan	nilton	@enso	lum	con	ı ies	trell	a@e	nsou	lm.c	om. l	nsimi	mons	@ensoli	m.com		
All the second second second						o@ensolum.cor			e chiso			.,		u.e.c			J, .			Conson		,	
I, (field sam	pler), attest to the	e validity and	authenticity	of this sampl	e. I am awar	e that tampering with	or intentionally mislabeling	the san	nple locat	tion, d	late o	r time	of col	ection	is con	sidere	d fraud	and m	nay be g	rounds for	egal actio	n,	
	ed by: (Signatur		Date		Time	RAF Mad Hu	(Signature)	Date		_	Time		-			_						ed on ice the da	y they are
Kemiquisii	ed by. (Signatur	61		8/25	7.1	" Little	Aleatu Gonzale	75	8-25			711		ľ								0 but less than	
Relinquish	ed by: (Signatur	·e)	Date	4/ 63	Time	Received hys	(Signature)	Date			Time	111				subsec	went d	anc		Lab U	se Only		
Mic	helle G	onzale	8 5-	8:25	1530	1 Khu	M.		8.2	5		153	30			Rec	eived	on id	ce:	(Y)/ N			
h	ed by: (Signatur		5 · G	3.26	UI3		ly Man	-5	9.2	5	9 '	00				<u>T1</u>			_ 1	Г2		<u>T3</u>	
Relinquish	ed by: (Signatur	e)	Date		Time	Received by:	(Signature)	Date		T	Time			(44.75		0-					
		1110						(700	tainer	VID O		dace	n -	alv/s	actic			np °C		// \A			
	rix: S - Soil, Sd - S					nor arrangements -	are made. Hazardous sam		tainer T												ne analus	is of the abo	ve samples is
							e laboratory is limited to							used	or at t	ne cli	in ex	helise	. The re	port for t	ic allalys	is of the abo	ve samples is
- phileanic	to those se	b.c c.c.	cu of the				to minted to	0.11	- and par	01		cp	~										



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

envirotech Inc.

Printed: 5/9/2025 7:41:30AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	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)					
	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	all samples received within holding time?	:	Yes			
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss	•			Comment	ts/Resolution
Sample '	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
-	he sample received on ice?		Yes			
120 (100	Note: Thermal preservation is not required, if samples a	re received within	103			
	15 minutes of sampling					
13. See C	COC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded	in comments.		
	<u>Container</u>					
	queous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers		Yes			
	appropriate volume/weight or number of sample contains	iners collected?	Yes			
Field La						
	field sample labels filled out with the minimum information ample ID?	ormation:	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
Sample 1	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	oreserved?	No			
22. Are s	sample(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved m	etals?	No			
Multiph:	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ase?	No			
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcont	ract Laboratory					
28. Are s	amples required to get sent to a subcontract laborate	ory?	No			
29. Was a	a subcontract laboratory specified by the client and	if so who?	NA	Subcontract Lab: NA		
Client I	nstruction					
		<u> </u>				

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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.	Project Name:	Dagger Lake South TB	Panartad:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	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.



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	6/11/2025 1:05:16PM

FS54-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		124 %	61-141	06/06/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2523153
Chloride	ND	20.0	1	06/06/25	06/06/25	

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	6/11/2025 1:05:16PM

FS55-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		126 %	61-141	06/06/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2523153
	ND	<u> </u>	<u> </u>	06/06/25	06/07/25	



Anions by EPA 300.0/9056A

Chloride

Sample Data

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	6/11/2025 1:05:16PM

FS56-0'

E506036-03 Reporting Analyte Limit Dilution Analyzed Notes Result Prepared Analyst: SL Batch: 2523154 mg/kg mg/kg Volatile Organics by EPA 8021B 06/08/25 ND 0.0250 06/06/25 Benzene 1 06/06/25 06/08/25 Ethylbenzene ND 0.0250ND 0.025006/06/25 06/08/25 Toluene 1 06/06/25 06/08/25 o-Xylene ND 0.02501 06/06/25 06/08/25 ND 0.0500 p,m-Xylene 06/08/25 06/06/25 1 Total Xylenes ND 0.025006/08/25 102 % 70-130 06/06/25 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: SL Batch: 2523154 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 06/08/25 ND 20.0 1 06/06/25 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 106 % 06/06/25 06/08/25 70-130 mg/kg mg/kg Analyst: HM Batch: 2523139 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 06/06/25 06/09/25 Diesel Range Organics (C10-C28) 06/06/25 06/09/25 Oil Range Organics (C28-C36) ND 50.0 1 06/06/25 06/09/25 Surrogate: n-Nonane 121 % 61-141

mg/kg

20.0

mg/kg

ND

Analyst: DT

06/06/25

06/07/25

1



Batch: 2523153

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	6/11/2025 1:05:16PM

FS57-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		125 %	61-141	06/06/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2523153
Chloride	ND	20.0	1	06/06/25	06/07/25	



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	6/11/2025 1:05:16PM

FS58-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		125 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2523153
·	28.1	20.0	<u> </u>	06/06/25	06/07/25	



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	6/11/2025 1:05:16PM

FS59-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		121 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2523153
Chloride	ND	20.0	1	06/06/25	06/06/25	



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	6/11/2025 1:05:16PM

FS60-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		116 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2523153
Chloride	ND	20.0	1	06/06/25	06/07/25	•



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	6/11/2025 1:05:16PM

FS46-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg mg/kg		Ana	lyst: SL	Batch: 2523154	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		120 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2523153
· · · · · · · · · · · · · · · · · · ·	ND	20.0		06/06/25	06/07/25	



Sample Data

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	6/11/2025 1:05:16PM

FS47-0'

		E506036-09				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2523154
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	06/06/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		113 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2523153
Chloride	21.5	20.0	1	06/06/25	06/07/25	



Total Xylenes

Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Matrix Spike Dup (2523154-MSD1)

QC Summary Data

Dagger Lake South TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2523154-BLK1) Prepared: 06/06/25 Analyzed: 06/08/25 ND 0.0250 ND 0.0250 Ethylbenzene Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 4.64 5.00 92.7 70-130 Benzene 0.0250 Ethylbenzene 4.64 0.0250 5.00 92.9 70-130 4.64 0.0250 5.00 92.9 70-130 Toluene o-Xylene 4.67 0.0250 5.00 93.3 70-130 9.45 10.0 94.5 70-130 0.0500 p.m-Xvlene 94.1 70-130 14.1 0.0250 15.0 Total Xylenes 8.00 99.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.98 Matrix Spike (2523154-MS1) Source: E506036-06 Prepared: 06/06/25 Analyzed: 06/08/25 5.06 0.0250 5.00 ND 70-130 Benzene ND 102 70-130 Ethylbenzene 5.09 0.0250 5.00 Toluene 5.07 0.0250 5.00 ND 101 70-130 5.05 5.00 ND 101 70-130 0.0250 o-Xylene p,m-Xylene 10.3 0.0500 10.0 ND 103 70-130 ND 70-130

15.0

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

7.13

6.27

6.31

5.42

6.13

5.90

Source: E506036-06

94.2

95.6

95.3

95.7

97.1

96.6

97.0

ND

ND

ND

ND

ND

ND

15.4

7.92

4.71

4.78

4 76

4.78

9.71

14.5

7.76

0.0250

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

Prepared: 06/06/25 Analyzed: 06/09/25

27

26

20

25

23

26

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/11/20251:05:16PM

	Non	halogenated	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: 0	6/06/25 Analy	vzed: 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: 0	6/06/25 Analy	zed: 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: 0	Prepared: 06/06/25 Analyzed: 06/08/25			

50.0

8.00

ND

114

110

70-130

70-130

1.15

20

57.1

8.79

20.0

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/11/20251:05:16PM

Dullus 171, 732 10		Troject Manage							
	Nonha	logenated Or		Analyst: HM					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2523139-BLK1)							Prepared: 0	6/06/25 Analy	zed: 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: 0	6/06/25 Analy	zed: 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:	E506036-0	07	Prepared: 0	6/06/25 Analy	zed: 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: 0	6/06/25 Analy	zed: 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

5400 LBJ Freeway, Suite 1500 Pro	ect Name: Dagger Lake South TB ect Number: 23003-0002	Reported:
<u> </u>	ect Manager: Ashley Giovengo	6/11/2025 1:05:16PM

		Anions	s by EPA 3	00.0/9056		Analyst: DT			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2523153-BLK1)							Prepared: 0	6/06/25 An	alyzed: 06/06/25
Chloride	ND	20.0							
LCS (2523153-BS1)							Prepared: 0	6/06/25 An	alyzed: 06/06/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2523153-MS1)				Source:	E506036-	06	Prepared: 0	6/06/25 An	alyzed: 06/06/25
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523153-MSD1)				Source:	E506036-	06	Prepared: 0	6/06/25 An	alyzed: 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.



	Clie	nt Inform	nation				Invoice In	formation				L	ab U	se On	ly				TAT		State			
Client: M	atador Prod	uction Co	ompany		Co	mpan	ny: Ensolum L	LC							Num	ber		1D 2	3D	Std	NM	CO UT	TX	
	agger Lake S						: 3122 Nation			E	500	603	6	23	003	-000	2			X	Х			
	anager: Ash	7-10-2					te, Zip: Carlsh		0															
	3122 Nation					_	575-988-005			-		_	_	Ana	lysis an	and	Met	nod		CD.	WA	A Progra	I DCDA	
	e, Zip: Carlst 75-988-0055		88220		Control of the Contro		agiovengo@e	ensolum.com		_										30	VVA	CVVA	KCKA	
	iovengo@ei		om		IVIIS	cellal	leous.				2	2 2								Com	pliance	Y	or N	
											8	y 80	17	0	0.0	5	×	ses		PW:	SID#			
				Samp	ole Informati	on						8 8	y 80	, 826	de 30	N - 2	- 500	Me			82 12 7			
Time Sampled	Date Sampled	Matrix	No. of Containers			Samp	ole ID		Field	Lab Numbe	er 2	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks		
11:10	6/3/2025	S	1			FS5	4-0'			1						X				3.	9			
10:59	6/3/2025	S	1			FS5	5-0'			2						Х				3.	State NM CO UT TX X EPA Program SDWA CWA RCRA Compliance Y or N PWSID# Remarks 3.9 3.6			
10:51	6/3/2025	S	1			FS5	6-0'			3						Х				4	4.6			
10:50	6/3/2025	S	1		FS57-0'					4						Х				3.8				
10:48	6/3/2025	S	1		FS58-0'					5						Х				4.7				
10:53	6/3/2025	S	1		FS59-0'					6						X				5.	3			
10:56	6/3/2025	S	1			FS6	0-0'			7						Х				5.4				
Addition	al Instructio	ns: Plea	se CC: cbi	ırton@en	solum.com,	agiov	engo@ensolu	m.com, cham	ilton	@ensol	um.c	om, i	estre	la@e	nsou	lm.c	om,	simm	ns@er	solum.c	om,			
igonzale	@ensolum.	com. bm	oir@enso	um.com.	oaderinto@	ensol	um.com					N. 25 W.	,	11	4. 10.5		16		Contraction of	l- f l l -				
	oler), attest to the	e validity an	d authenticity	of this sample	e. I am aware tha	it tampe	ering with or intenti	onally mislabeling	tne san	npie iocati	ion, da	te or tim	e or cc	mection	is con	sidere	u Irauc	and may	ne ground	is for legal a	ction.			
	ed by: (Signatur	e) AA	Date		Time - / l	Rete	ived by: (Signatur	e) n	Date	12011	Tir	me								ion must be re				
	ot		61	4/25	Time 7-11	VV	ived by: (Signatur	jonzales	6	-5.25	5	071				sample	ed or re	ceived pack		an avg temp		ut less than 6	5°C on	
Relinquished by: (Signature) Date Time Received by: (Signature) Received by: (Signature)		(.	_	5.25		16	15			Rec	eived	on ice	Lab Use Only e: (Y) N											
Relinquishe	ed by: (Signatur	e)	Date C.	5.25	7330	7	Ved by: (Signatur	tttt		-6-25	(964	15			<u>T1</u>			<u>T2</u>		_ :	T3		
Relinquishe	ed by: (Signatur	e)	Date		Time	Rece	eived by: (Signatur	e)	Date		Ti	me				AVIC	Tor	p°C_						
									1					ooly/p		MAG	1 611	ip C						

Chain of Custody

				_																
	Clie	nt Inform	nation			Invoice Inform	nation				L	ab Us	e On	ly				TA	T	State
Client: N	1atador Prod	luction Co	ompany			Company: Ensolum LLC				b WO			Job I	Num	ber		1D	2D	3D Std	NM CO UT TX
	Dagger Lake S					Address: 3122 National P			- E	506	6030	6	23	203	-00	oz.			X	X
	lanager: Ash					City, State, Zip: Carlsbad I	NM, 88220		-	-										
	3122 Nation					Phone: 575-988-0055			-		_		Ana	llysis	and	Met	hod			EPA Program
	e, Zip: Carlsl		88220		100	Email: agiovengo@enso	lum.com		-											SDWA CWA RCRA
	75-988-0055		-110		M	iscellaneous:														Compliance Y or N
Email: a	giovengo@ei	nsoium.c	om	_					_	8015	8015			0			S			PWSID#
-				Sam	ple Informa	tion				- À	þ	3021	260	300.	Σ	×	letal			T VV3ID #
Time				Saiii	pie illiorilla	LIOII	F.	B H	Lah	1 8	DRC	by 8	by 8	ide	50	1005	8 8			Remarks
Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Filter	Lab lumbe	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			
11:15	6/3/2025	S	1			FS46-0'			8						Х					3.7
11:12	6/3/2025	S	1			FS47-0'			9						Х					3.9
										Ì										
						, agiovengo@ensolum.co Densolum.com	om, chamil	ton@	ensolu	um.cc	om, ie	strel	a@e	nsou	lm.c	om,	bsimi	mons	@ensolu	m.com,
I, (field sam	pler), attest to the	e validity and	d authenticity	of this samp	e. I am aware t	hat tampering with or intentionally		e sampl	e locatio	on, date	e or time	e of col	lection	is con	sidere	d frauc	d and m	nay be g	grounds for I	egal action.
Relinquish	ed by: (Signatur	क्ष	Date 6/	4/25	7. //	Refered by: (Signature)	zales	Date 6	525	S Tim	10 10711				1000					st be received on ice the day they are temp above 0 but less than 6 °C on
Wic	ed by: Signatur	onzal	Data	525	Time 1615	Received by: (Signature)		Date C-S		Tim	161	5			Rec	eivec	l on i	ce:	Lab Us	se Only
Relinquish	ed by: (Signatur	re)	Date	.25	7.33o	Received by: (Signature)	1	Date 6-6		1,,,,,	649				<u>T1</u>				<u>T2</u>	<u>T3</u>
	ed by: (Signatur		Date		Time	Received by: (Signature)		Date		Tim	ne				AVC	Ten	np °C		V/XA.	
Sample Mat	rix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aque	ous, O - Othe	r			Conta	ner ly	pe: g	- glass	, p - p	oly/p	iastic	, ag -	ambe	er glas	ss, v -	VUA	

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.



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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

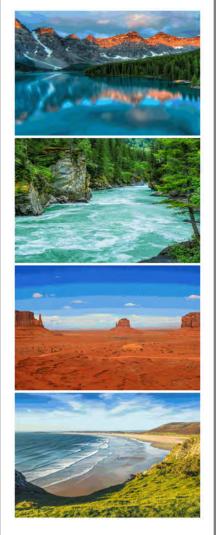
Client:	Matador Resources, LLC.	Date Received:	06/06/25 0	6:45	Work Order ID:	E506036
Phone:	(972) 371-5200	Date Logged In:	06/05/25 1	5:12	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/12/25 1	7:00 (4 day TAT)		
~ .	10 . 1 (000)					
	f Custody (COC)					
	the sample ID match the COC?	tab the COC	Yes			
	the number of samples per sampling site location ma	iten the COC	Yes			
	samples dropped off by client or carrier?	atad amalyaaa?	Yes Yes	Carrier: Courier		
	ne COC complete, i.e., signatures, dates/times, reque all samples received within holding time?	sted analyses?				
3. Were a	Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		Comment	ts/Resolution
Sample '	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA	[
	he sample received on ice? Note: Thermal preservation is not required, if samples at 15 minutes of sampling COC for individual sample temps. Samples outside c		Yes	n comments		
		n o c-o c win oc	recorded i	ii comments.		
	<u>Container</u> queous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	.9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La		ners conceted.	103			
	e field sample labels filled out with the minimum info	ormation:				
	Sample ID?		Yes			
I	Date/Time Collected?		Yes			
(Collectors name?		Yes			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filtration required and/or requested for dissolved m	etals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcont	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laborate	ory?	No			
29. Was	a subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: NA		
Client I	nstruction					

Date

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

envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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.	Project Name:	Dagger Lake South TB	Panartad:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	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.



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	6/11/2025 12:10:50PM

FS24-0.5' E506037-01

		E300037-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: SL		Batch: 2523141
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		118 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2523140
Chloride	29.3	20.0	1	06/06/25	06/06/25	

Chloride

Sample Data

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	6/11/2025 12:10:50PM

FS53-0'

E506037-02 Reporting Analyte Limit Dilution Analyzed Notes Result Prepared Analyst: SL Batch: 2523141 mg/kg mg/kg Volatile Organics by EPA 8021B 06/07/25 ND 0.0250 06/06/25 Benzene 1 06/06/25 06/07/25 Ethylbenzene ND 0.0250ND 0.025006/06/25 06/07/25 Toluene 1 06/06/25 06/07/25 o-Xylene ND 0.02501 06/06/25 06/07/25 ND 0.0500 p,m-Xylene 06/06/25 06/07/25 1 Total Xylenes ND 0.025006/07/25 90.4 % 70-130 06/06/25 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: SL Batch: 2523141 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 06/07/25 ND 20.0 1 06/06/25 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 99.6 % 06/06/25 06/07/25 70-130 mg/kg mg/kg Analyst: HM Batch: 2523139 Nonhalogenated Organics by EPA 8015D - DRO/ORO 25.0 06/06/25 06/10/25 36.2 Diesel Range Organics (C10-C28) 06/06/25 06/10/25 Oil Range Organics (C28-C36) ND 50.0 1 06/06/25 06/10/25 Surrogate: n-Nonane 124 % 61-141 Analyst: DT Batch: 2523140 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

26.0

1

06/06/25

06/06/25



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	6/11/2025 12:10:50PM

FS61-0' E506037-03

		200000.00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	•	<u> </u>	Batch: 2523141
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Coluene	ND	0.0250	1	06/06/25	06/07/25	
-Xylene	ND	0.0250	1	06/06/25	06/07/25	
o,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2523141
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		120 %	61-141	06/06/25	06/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2523140
Chloride	ND	20.0	1	06/06/25	06/06/25	



Total Xylenes

Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Matrix Spike Dup (2523141-MSD1)

QC Summary Data

Dagger Lake South TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2523141-BLK1) Prepared: 06/06/25 Analyzed: 06/06/25 ND 0.0250 ND 0.0250 Ethylbenzene Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 5.03 5.00 101 70-130 Benzene 0.0250 Ethylbenzene 4.98 0.0250 5.00 99.6 70-130 5.02 0.0250 5.00 100 70-130 Toluene 99.8 o-Xylene 4.99 0.0250 5.00 70-130 10.1 10.0 101 70-130 0.0500 p.m-Xvlene 101 70-130 15.1 0.0250 15.0 Total Xylenes 8.00 94.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.52 Matrix Spike (2523141-MS1) Source: E506032-03 Prepared: 06/06/25 Analyzed: 06/06/25 5.20 0.0250 5.00 ND 70-130 Benzene ND 103 70-130 Ethylbenzene 5.13 0.0250 5.00 Toluene 5.18 0.0250 5.00 ND 104 70-130 5.10 5.00 ND 102 70-130 0.0250 o-Xylene p,m-Xylene 10.4 0.0500 10.0 ND 104 70-130

15.0

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

ND

Source: E506032-03

116

117

116

118

117

92.0

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

12.5

12.6

12.5

12.4

12.4

12.4

15.5

7.32

5.90

5.82

5.87

5.78

11.8

17.5

7.36

0.0250

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

0	
	envirotech Inc.

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

27

26

20

25

23

26

Matrix Spike Dup (2523141-MSD2)

46.2

7.83

20.0

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/11/2025 12:10:50PM

Dallas TX, 75240		Project Manager	r: As	hley Gioveng	go			6/	1/2025 12:10:50P		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: SL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2523141-BLK1)							Prepared: 0	6/06/25 Ana	lyzed: 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: 0	6/06/25 Ana	lyzed: 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: 0	6/06/25 Ana	lyzed: 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					

50.0

8.00

Source: E506032-03

92.3

97.8

ND

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

20

3.98

70-130

70-130

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/11/2025 12:10:50PM

Dallas 171, 732 10		Troject Manage		mey Groveng	-				
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2523139-BLK1)							Prepared: 0	6/06/25 Analy	zed: 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: 0	6/06/25 Analy	zed: 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:	E506036-0	07	Prepared: 0	6/06/25 Analy	zed: 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: 0	6/06/25 Analy	zed: 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	Project Name: Project Number:	Dagger Lake South TB 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/11/2025 12:10:50PM

Anions by EPA 300.0/9056A									Analyst: DT		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2523140-BLK1)							Prepared: 0	6/06/25 A	nalyzed: 06/06/25		
Chloride	ND	20.0									
LCS (2523140-BS1)							Prepared: 0	6/06/25 A	nalyzed: 06/06/25		
Chloride	256	20.0	250		102	90-110					
Matrix Spike (2523140-MS1)				Source:	E506031-	02	Prepared: 0	6/06/25 A	nalyzed: 06/06/25		
Chloride	259	20.0	250	ND	104	80-120					
Matrix Spike Dup (2523140-MSD1)				Source:	E506031-	02	Prepared: 0	6/06/25 A	nalyzed: 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

l	Matador Resources, LLC.	Project Name:	Dagger Lake South TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	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.



A1 1		
(hain	Ot.	Custody
CHAIL	O.	Custou

Page	7	OT /	
-		_	-

Client Information				Invoice Information		Lab Use Only						TAT State										
Client: N	1atador Prod	uction Co	mpany			Com	pany: Ensolum LLC			ab W					Num			1D	2D	3D Sto	NM CO UT	TX
	agger Lake S					Add	ress: 3122 National Parks	Hwy		ESC	060	37		230	203-	-000	20			X	X	
	lanager: Ash		engo			City	, State, Zip: Carlsbad NM,	88220														
	3122 Nation					Pho	ne: 575-988-0055							Ana	lysis	and	Met	hod			EPA Progra	m
City, State, Zip: Carlsbad NM, 88220						Ema	ail: agiovengo@ensolum	.com													SDWA CWA	RCRA
	75-988-0055						ellaneous:															
	giovengo@er		om			TVIISCEIGITES GS1				13	15									Compliance Y	or N	
											y 80	v 80	п	0	0.0	-	×	als			PWSID#	
				Sam	ple Info	rmation	n				RO b	RO b	y 802	826	e 30	Z	L- 50	Met				
Time Sampled	Date Sampled	Matrix	No. of Containers			5	Sample ID	Field	Lat Num	b ber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks	
15:04	6/4/2025	S	1			FS24-0.5'			1							Х					Z.0°	
11:03	6/4/2025	S	1				FS53-0'		3	1						х					3.6°	
11:00	6/4/2025	S	1				FS61-0'		3						1	х					3.3°	
igonzale I, (field sam Sampled by Relinquish	mensolum	com, bm e validity and	oir@enso d authenticity	lum com	oaderii	nto@er	Received by: (Signature) Received by: (Signature) Received by: (Signature)	beling the sa	e -5-2	stion, d	Time	or time	of co			Samp samp	ed frau les requ led or re	d and n	nay be ermal p packed	grounds for reservation r	legal action. ust be received on ice the day to the da	255
Relinquish Relinquish Sample Ma	ned by: (Signatur ned by: (Signatur trix: S - Soil, Sd - S	re) re) Solid, Sg - Slu	Date Date	3 · 28	Time Time	30	Received by: (Signature) Received by: (Signature)	Date Co	e -G-ZG e ntainer	Type:	Time	glass,	p -p			Received on ice: (Y)/ N T1						
Note: Sam	ples are discard	led 14 days	after results	s are report	ted unless	other ari	rangements are made. Hazardou														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.



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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	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:	agiovengo@ensolum.com	Due Date:	06/12/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted		Yes		Comment	s/Resolution
Cample 7	i.e, 15 minute hold time, are not included in this disucss	ion.				
	[urn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	were custody/security seals intact?		No			
	,		NA			
	ne sample received on ice? Note: Thermal preservation is not required, if samples a 15 minutes of sampling		Yes			
13. See C	OC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded	in comments.		
	<u>Container</u>					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers		Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lal						
	field sample labels filled out with the minimum inf	ormation:	**			
	ample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
	Preservation		Yes			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved m	netals?	No			
	ase Sample Matrix		110			
	the sample have more than one phase, i.e., multiph	202	3.7			
			No			
	, does the COC specify which phase(s) is to be anal	iyzed?	NA			
	act Laboratory					
	amples required to get sent to a subcontract laborate a subcontract laboratory specified by the client and	-	No NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					

envirotech Inc.

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

T	itle Page	1
(Cover Page	2
7	able of Contents	3
5	Sample Summary	5
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
	OC - Anions by EPA 300 0/9056A	2/

Table of Contents (continued)

Definitions and Notes	25
Chain of Custody etc.	26

Sample Summary

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo06/12/25 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.



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	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	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.6 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		108 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	

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	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	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		98.8 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



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	6/12/2025 9:17:46AM

FS07-0.5' E506041-03

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: SL		Batch: 2523164
ND	0.0250	1	06/07/25	06/08/25	
ND	0.0250	1	06/07/25	06/08/25	
ND	0.0250	1	06/07/25	06/08/25	
ND	0.0250	1	06/07/25	06/08/25	
ND	0.0500	1	06/07/25	06/08/25	
ND	0.0250	1	06/07/25	06/08/25	
	91.3 %	70-130	06/07/25	06/08/25	
mg/kg	mg/kg	Analy	yst: SL		Batch: 2523164
ND	20.0	1	06/07/25	06/08/25	
	99.9 %	70-130	06/07/25	06/08/25	
mg/kg	mg/kg	Analy	yst: KH		Batch: 2524015
31.7	25.0	1	06/09/25	06/09/25	
ND	50.0	1	06/09/25	06/09/25	
	103 %	61-141	06/09/25	06/09/25	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2523168
ND	20.0	1	06/07/25	06/09/25	
	mg/kg ND Mg/kg ND mg/kg 31.7 ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 91.3 % mg/kg ND 20.0 99.9 % mg/kg mg/kg mg/kg 31.7 25.0 ND 50.0 103 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 91.3 % 70-130 mg/kg mg/kg Analy ND 20.0 1 mg/kg mg/kg Analy 31.7 25.0 1 ND 50.0 1 103 % 61-141 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 06/07/25 ND 0.0250 1 06/07/25 ND 0.0250 1 06/07/25 ND 0.0250 1 06/07/25 ND 0.0500 1 06/07/25 ND 0.0250 1 06/07/25 mg/kg mg/kg Analyst: SL mg/kg mg/kg Analyst: SL ND 20.0 1 06/07/25 mg/kg mg/kg Analyst: KH 31.7 25.0 1 06/09/25 ND 50.0 1 06/09/25 ND 50.0 1 06/09/25 mg/kg mg/kg Analyst: KH	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 06/07/25 06/08/25 ND 0.0500 1 06/07/25 06/08/25 ND 0.0250 1 06/07/25 06/08/25 ND 0.0250 1 06/07/25 06/08/25 mg/kg mg/kg Analyst: SL ND 06/08/25 mg/kg mg/kg Analyst: SL 06/08/25 mg/kg mg/kg Analyst: KH 06/09/25 06/09/25 ND 50.0 1 06/09/25 06/09/25 ND 50.0 1 06/09/25 06/09/25 ND 50.0 1 06/09/25 06/09/25 ND 50.0 1 </td



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	6/12/2025 9:17:46AM

FS41-0'

			_
E50	60.	41.	-112

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.7 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		102 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2523168
Chloride	26.7	20.0	1	06/07/25	06/09/25	



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	6/12/2025 9:17:46AM

FS43-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
o,m-Xylene	ND	0.0500	1	06/07/25	06/08/25	
Total Xylenes	ND	0.0250	1	06/07/25	06/08/25	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		95.0 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	·



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	6/12/2025 9:17:46AM

FS44-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		103 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2523168
· · · · · · · · · · · · · · · · · · ·	ND			06/07/25	06/09/25	



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	6/12/2025 9:17:46AM

FS45-0'

E506041-0	/
-----------	---

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		103 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2523168
Chloride	31.6	20.0	1	06/07/25	06/09/25	



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	6/12/2025 9:17:46AM

FS48-0'

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		103 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2523168
	ND	20.0		06/07/25	06/09/25	<u> </u>



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	6/12/2025 9:17:46AM

FS49-0'

T-70	~ 0	41	^^
E50	6U4	41-	U۶

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.6 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		105 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	•



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/12/20259:17:46AM

FS50-0'

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Amaryc				•	Anaryzed	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		107 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	
C.MOI.OF						



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	6/12/2025 9:17:46AM

FS51-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		104 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



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	6/12/2025 9:17:46AM

FS52-0'

E506041-12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	06/07/25	06/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		104 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



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	6/12/2025 9:17:46AM

FS62-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: SL			Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		103 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2523168
Chloride	ND	20.0	1	06/07/25	06/09/25	



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	6/12/2025 9:17:46AM

FS63-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		88.4 %	70-130	06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Ana	Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		102 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2523168
Chloride	72.9	20.0	1	06/07/25	06/09/25	



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	6/12/2025 9:17:46AM

FS64-0'

		D				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		88.2 %	70-130	06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Ana	Analyst: SL		Batch: 2523164
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/25	06/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.7 %	70-130	06/07/25	06/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		105 %	61-141	06/09/25	06/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2523168
Chloride	36.6	20.0	1	06/07/25	06/10/25	



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	6/12/2025 9:17:46AM
	Valatila Onga	nios by EDA 9021D	

Dallas TX, 75240		Project Number: Project Manager:		3003-0002 shley Giovengo	,			6/	12/2025 9:17:46AN
		Volatile Or	ganics l	by EPA 8021	В				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2523164-BLK1)							Prepared: 0	6/07/25 Ana	llyzed: 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: 0	6/07/25 Ana	lyzed: 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: E	506041-	04	Prepared: 0	6/07/25 Ana	lyzed: 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: E	506041-	04	Prepared: 0	6/07/25 Ana	lyzed: 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			

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/12/20259:17:46AM

	Non	halogenated	Organics l	by EPA 801	15D - GI	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2523164-BLK1)							Prepared: 0	6/07/25 Anal	yzed: 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: 0	6/07/25 Anal	yzed: 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:	E506041-0	04	Prepared: 0	6/07/25 Anal	yzed: 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			

50.0

8.00

20.0

8.06

ND

81.4

101

70-130

70-130

1.48

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/12/20259:17:46AM

Danas 1X, 73240		1 Toject Wianage	7.5	mey Gloveng	50			0, 1	2,2023 7.17.1071
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2524015-BLK1)							Prepared: 0	6/09/25 Ana	yzed: 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: 0	6/09/25 Ana	lyzed: 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: 0	6/09/25 Ana	lyzed: 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: 0	6/09/25 Ana	yzed: 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	Project Name: Project Number:	Dagger Lake South TB 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/12/2025 9:17:46AM
		ED 4 200 0/0057 4	

		Anions	by EPA 3	00.0/9056 A	\				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit	
	mg kg	mg kg	mg/kg		70	70	70	70	Notes
Blank (2523168-BLK1)							Prepared: 0	6/07/25	Analyzed: 06/09/25
Chloride	ND	20.0							
LCS (2523168-BS1)							Prepared: 0	6/07/25	Analyzed: 06/09/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2523168-MS1)				Source:	E506041-	05	Prepared: 0	6/07/25	Analyzed: 06/09/25
Chloride	265	20.0	250	ND	106	80-120			
Matrix Spike Dup (2523168-MSD1)				Source:	E506041-	05	Prepared: 0	6/07/25	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

l	Matador Resources, LLC.	Project Name:	Dagger Lake South TB	
I	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	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.



Page	of 2

Chain of Custody	Chain	of	Custody	
------------------	-------	----	---------	--

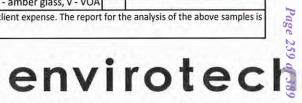
	Clie	nt Inform	nation			Invoice Infor	mation				La	b Us	e On	lly				TA	T		State	
	Natador Prod		ompany			ompany: Ensolum LLC			Lab	WO#			Job	Numl	ber	7	1D	2D	3D Sto		CO UT	TX
	agger Lake S					ddress: 3122 National			_ E5	200	000		23	200	·a	26			X	X		
	Manager: Ash					ty, State, Zip: Carlsbad	NM, 88220	-	-	_			A	lucio	and	B/lot	had				A Progra	m
	3122 Nation e, Zip: Carlsh					none: 575-988-0055	Total Series		- 100				Ana	alysis	and	iviet	noa		34	SDWA	A Progra	RCRA
	6, 21p: Carist		88220			mail: agiovengo@ens scellaneous:	solum.com		-											JUVA	CVVA	NCNA
	giovengo@ei		om			scenaneous:				LO.	2) [Compliano	e Y	or N
Linan. aj	, ioverigo (e-ci	i sorarii.c								8015	, 801	-		0.0	_	×	als			PWSID#		344
				Samp	le Informati	on				(0 b)	(Q D)	8021	8260	30C	- NN	7-50	Met					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	<u>a</u>	Filter	Lab Number	DRO/ORO by	GRO/DRO by 8015	втех by 8	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	
10:45	6/5/2025	S	1			FS04-0.5'			1						X					3.0		
10:47	6/5/2025	S	1			FS05-0.5'			2						X					3.1		
12:14	6/5/2025	S	1			FS07-0.5'			3						X					2.7		
10:10	6/5/2025	S	1			FS41-0'			4						х					3.1		
9:52	6/5/2025	S	1			FS43-0'			5						х					4.0		
12:11	6/5/2025	S	1			FS44-0'			6						х					3.2		
9:46	6/5/2025	S	1			FS45-0'			7						Х					2.7		
9:42	6/5/2025	S	1			FS48-0'			8						Х					3.9		
12:08	6/5/2025	S	1			FS49-0'			9						х					4.2		
12:51	6/5/2025	S	1			FS50-0'			10						х					4.4		
Addition	al Instructio	ns: Plea	se CC: cbu	rton@en	solum.com,	agiovengo@ensolum.o	com, chamilt	on(@ensolu	m.cor	m, ies	strell	a@e	nsou	lm.c	om, l	bsim	mons	@enso	um.com,		
						ensolum.com									Addison			2007				
20,000	A CONTRACTOR OF THE PROPERTY O	e validity and	authenticity of	of this sample	e. I am aware tha	t tampering with or intentional	lly mislabeling the	sam	iple location	, date d	or time	of col	lection	is con	sidere	d frauc	and n	nay be g	grounds to	r legal action.		
Sampled by:	AK, JM ed by: (Signatur	el n	Date.		Time	Received by: (Signature)	a lo	Date		Time		-			Sample	es requ	iring the	ermal pre	eservation n	nust be received o	on ice the day	they are
nem quisti	ia sy. (signata)	1	> 61	6/23	7:11	Received by: (Signature)	ngales		6.25		711		1		sample	ed or re	ceived	packed in	ice at an a	g temp above 0	but less than 6	°C on
Relinquishe	ed by: (Signatur	e) onzale		6-25	Time 630	Received by: (Signature)	0	Date .	62	Time					Rec	eivec	l on i	ce:	Lab l	Jse Only N		
Relinguishe	ed by: (Signatur	e)	Date (6.2	Time 2200	Received by: (Signature)	lan	ate	1.7.25	Time	00				T1				T2		T3	
Relinquishe	ed by: (Signatur	e)	Date		Time	Received by: (Signature)		Date		Time							np °C					
	rix: S - Soil, Sd - Se								tainer Typ													
						arrangements are made. Ha							osed	of at t	he clie	ent ex	pense	. The r	eport for	the analysis o	of the abov	e samples is

Chain	of	Custo	dy
-------	----	-------	----

State	9	
) UT	TX	
rogra	ım	
CWA	RC	RA
Y	or	N
marks		

	Clie	nt Inform	nation			Invoice Information	on			La	b Us	e On	ly				TAT		State	
Client: N	atador Prod	uction Co	ompany		Co	Company: Ensolum LLC		Lab	Lab WO# Job Number				1	D 2	D 3D Std	NM	CO UT	TX		
Project:D	agger Lake S	outh TB			Ac	Idress: 3122 National Parks	s Hwy	_ E'	امح	004	11	23	0	sor			X	X		
Project N	lanager: Ash	ley Giov	engo		Cit	y, State, Zip: Carlsbad NM,	88220													
	3122 Nation				Ph	one: 575-988-0055		_				Ana	lysis	and I	Meth	od			A Progra	
	e, Zip: Carlsl		88220		En	nail: agiovengo@ensolum	n.com											SDWA	CWA	RCRA
	75-988-0055				Mis	cellaneous:														
Email: ag	iovengo@ei	nsolum.c	om						015	8015								Complianc	e Y	or N
									by 8		171	09	0.00	Σ	¥	etals		PWSID#		
				Sampl	e Informatio	on	L .		8	ORO	34 80	y 82	de 3	C	500	ž			Damanda	
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numbei	DRO/ORO by 8015	GRO/DRO by	втех by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks	
12:03	6/5/2025	S	1			FS51-0'		11						Х				1.8		
9:37	6/5/2025	S	1			FS52-0'		12						Х				4.1		
9:34	6/5/2025	S	1			FS62-0'		13						х				1.9		
9:30	6/5/2025	S	1			FS63-0'		14						х				3.4		
11:55	6/5/2025	S	1			FS64-0'		15		П				х				27		
								10								+		0.		
									+							+	+			
														+	+	+				
										H					-	4				
Addition	al Instruction	ns: Plea	se CC: cbu	irton@ens	olum.com, a	agiovengo@ensolum.com,	chamilton(@ensolu	m.cor	m, ies	strell	a@e	nsoul	m.co	m, bs	immo	ons@ensolu	ım.com,		
						ensolum.com tampering with or intentionally misk	abeling the sam	ple locatio	n, date o	or time	of col	ection	is cons	idered	fraud a	nd may	be grounds for I	egal action.		
Sampled by:	AK, JM			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																
	d by: (Signatur	el	Date	1/25	ime _	Reteived by: (Signature)	Date	6.15	Time	5711						-	al preservation mu ked in ice at an avg			the state of the s
Polinguiche	nd hws/Signatur	01	Date	0/C>	ime	Received by: (Signature)	Date	6.972	Time					enpeedi	ent dan			se Only		
	d by (Signatur			6.25	1630	kil a lly	6	.62		16	20		1	Rece	ived o	n ice		ic Only		
Relinquishe	ed by: (Signatur	e)	Date	025	2300	Received by: Isignature	w G.	7.75	100	00				T1			<u>T2</u>		<u>T3</u>	
Relinquishe	ed by: (Signatur	e)	Date	T	ime	Received by: (Signature)	Date		Time						Temp					
	rix: S - Soil, Sd - S							tainer Typ					astic,	ag - a	mber	glass,				
						rrangements are made. Hazardou						osed (of at th	ne clie	nt expe	nse. Th	he report for th	ne analysis o	f the above	samples is





Printed: 6/9/2025 10:38:09AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/07/25 1	0:00	Work Order ID:	E506041
Phone:	(972) 371-5200	Date Logged In:	06/06/25 1	2:02	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/13/25 1	7:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	atch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Commen	ts/Resolution
Sample 7	Furn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
-	ne sample received on ice?		Yes			
	Note: Thermal preservation is not required, if samples a 15 minutes of sampling					
	COC for individual sample temps. Samples outside	of 0-C-6-C will be	recorded ii	n comments.		
	Container		3. T			
	queous VOC samples present?		No			
	/OC samples collected in VOA Vials?		NA NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?	0	NA			
	on-VOC samples collected in the correct container		Yes			
	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field La		2 4				
	field sample labels filled out with the minimum intample ID?	ormation:	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
Sample I	Preservation_					
21. Does	the COC or field labels indicate the samples were j	oreserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved n	netals?	No			
Multipha	ase Sample Matrix					
	the sample have more than one phase, i.e., multiph	ase?	No			
	s, does the COC specify which phase(s) is to be ana		NA			
•	ract Laboratory					
	amples required to get sent to a subcontract laborat	oru?	No			
	a subcontract laboratory specified by the client and	•		Subcontract Lab: NA		
		ii so wiio:	IVA	Suocontract Lao. NA		
Client II	<u>nstruction</u>					

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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

Γ	Matador Resources, LLC.	Project Name:	Dagger Lake South TB	Donoutoda
ı	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/25/25 15:59

Client Sample ID	Lab Sample ID Matrix	Sampled 1	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.



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	6/25/2025 3:59:46PM

FS19 - 0.5' E506063-01

		E200003-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Anal	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	
o,m-Xylene	ND	0.0500	1	06/10/25	06/12/25	
Total Xylenes	ND	0.0250	1	06/10/25	06/12/25	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: SL		Batch: 2524034
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/25	06/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		108 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2524072
Chloride	ND	20.0	1	06/11/25	06/11/25	

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	6/25/2025 3:59:46PM

FS21 - 0.5'

		E506063-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: SL		Batch: 2524034
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/25	06/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		112 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2524072
Chloride	ND	20.0	1	06/11/25	06/11/25	·



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	6/25/2025 3:59:46PM

FS39 - 0.5'

		E506063-03				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2524034
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/25	06/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	06/10/25	06/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		109 %	61-141	06/10/25	06/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2524072
Chloride	ND	20.0	1	06/11/25	06/11/25	·



QC Summary Data

Dagger Lake South TB Matador Resources, LLC. Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2524034-BLK1) Prepared: 06/10/25 Analyzed: 06/11/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.30 8.00 91.2 70-130 LCS (2524034-BS1) Prepared: 06/10/25 Analyzed: 06/11/25 5.25 105 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.18 0.0250 5.00 104 70-130 5.24 0.0250 5.00 105 70-130 Toluene 103 o-Xylene 5.13 0.0250 5.00 70-130 10.5 10.0 105 70-130 0.0500 p.m-Xvlene 104 70-130 15.6 15.0 Total Xylenes 0.0250 8.00 92.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.37 Matrix Spike (2524034-MS1) Source: E506061-08 Prepared: 06/10/25 Analyzed: 06/11/25 5.13 0.0250 5.00 ND 70-130 Benzene ND 70-130 Ethylbenzene 5.06 0.0250 5.00 101 Toluene 5.11 0.0250 5.00 ND 102 70-130 5.02 ND 100 70-130 5.00 0.0250 o-Xylene p,m-Xylene 10.2 0.0500 10.0 ND 102 70-130 15.3 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.45 8.00 Matrix Spike Dup (2524034-MSD1) Source: E506061-08 Prepared: 06/10/25 Analyzed: 06/11/25 4.59 0.0250 5.00 ND 91.9 70-130 11.0 27

4.53

4 57

4.52

9.19

13.7

7.52

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

90.7

91.3

90.3

91.9

91.4

94.0

70-130

70-130

70-130

70-130

70-130

70-130

11.0

11.2

10.6

10.7

10.6

26

20

25

23

26



Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Matrix Spike Dup (2524034-MSD2)

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

47.8

7.81

20.0

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/25/20253:59:46PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6/2	25/2025 3:59:46PN		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: SL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2524034-BLK1)							Prepared: 0	6/10/25 Anal	yzed: 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: 0	6/10/25 Anal	yzed: 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: 0	6/10/25 Anal	yzed: 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					

50.0

8.00

Source: E506061-08

95.7

97.6

ND

Prepared: 06/10/25 Analyzed: 06/11/25

20

3.11

70-130

70-130

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/25/20253:59:46PM

, ,,=				, ,	5 -				
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2524059-BLK1)							Prepared: 0	6/10/25 Ana	alyzed: 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: 0	6/10/25 Ana	alyzed: 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: 0	6/10/25 Ana	alyzed: 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: 0	6/10/25 Ana	alyzed: 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			

Chloride

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Dagger Lake South TB 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/25/2025 3:59:46PM

Anions	by EPA 3	00.0/9056A			Analyst: DT
D	C 'I	Carrea	D	DDD	

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2524072-BLK1)							Prepared: 0	6/11/25 Anal	yzed: 06/11/25
Chloride	ND	20.0							
LCS (2524072-BS1)							Prepared: 0	6/11/25 Anal	yzed: 06/11/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2524072-MS1)				Source:	E506063-	03	Prepared: 0	6/11/25 Anal	yzed: 06/11/25
Chloride	275	20.0	250	ND	110	80-120			
Matrix Spike Dup (2524072-MSD1)			Source:	E506063-	03	Prepared: 0	6/11/25 Anal	yzed: 06/11/25	

250

20.0

ND

110

80-120

0.151

QC Summary Report Comment:

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



Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Dagger Lake South TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
١	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.

Released to		irot										
to		Clie	nt Inform	ati								
1	Client: N	Matador Prod	luction Co	m								
na	Project N	lame: Dagge	r Lake So	utl								
<i>§</i> :	Project N	<u> Ianager: Asl</u>	hley Giove	en								
00	Address: 3122 National Parks Hy											
<u>,</u>	City, State, Zip: Carlsbad NM, 88											
36	Phone: !	575-988-005	5									
2	Email: a	giovengo@e	nsolum.co	om								
02												
5 5												
0.22:	Time Sampled	Date Sampled	Matrix	٠								
Imaging: 9/30/2025 9:22:17 AM	13:46	6/6/2025	s									
X	13:43	6/6/2025		Г								

Chain of Custody

Page _	of _	<u>(</u>

Client Information				Invo	ice Information		-	-		Lal	b Us	e Onl	y			TAT				State			
Client: N	latador Proc	luction Co	ompany		Company: Enso	lum LLC	-	La	ab V	VO#			Job N	lum	ber		1D 2D 3D Sto				d NM CO UT TX		
Project N	ame: Dagge	r Lake So	uth TB		Address: 3122	National Parks Hwy		Ê	S	360	063	}	250	03-	000	2				X	x		
Project N	lanager: As	hley Giov	engo		City, State, Zip:	Carlsbad NM, 8822	0	[
Address:	3122 Natio	nal Parks	Hwy		Phone: 575-98	8-0055			Analysis and M							Meti	ethod				EP	A Progra	m
City, Stat	e, Zip: Carls	bad NM,	88220		Email: agiover	ngo@ensolum.com		l l	Γ												SDWA	CWA	RCRA
Phone: !	75-988-005	5			Miscellaneous:												l						
Email: a	giovengo@e	nsolum.c	om						1	۲ <u>۲</u>	51	l		1		1					Complianc	e Y	or N
										8	8	-	اه	8	_×	als					PWSID#		
				Sample Infor	mation					ខ្លុំ	ĝ	8	826	8	[S	Ž.		Σ	¥		a d		
Time Sampled	Date Sampled	Matrix	No. of Containers	ı	Sample ID		Field	Lab Numb	- 1	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Ren	narks
13:46	6/6/2025	s	1		FS84 - 0.5'			1										х			0.8		
13:43	6/6/2025	s	1		FS85 - 0.5'			て										х			0.5		
13:41	6/6/2025	S	1		FS86 - 0.5'			3										х			1.0		
											Ì					ı							
									\dashv	\exists	T												
									1	_													
							\vdash		┪		\dashv										<u> </u>		
									\dashv	_	+						\dashv						
		_		<u> </u>				-	\dashv		\dashv	_	-				_						
									4	_						\dashv	_						
Addition	al Instructio	ne: Plos	so CC: ch	urten@encelum	com ociovonco@o	ensolum.com, iestr	Was a	oncol			char	mile		200	<u></u>		hm	Ni-A		1			
						·																	
	Cole Burton_	e validity and	authenticity	of this sample. I am awa	re that tampering with or	intentionally mislabeling th	e samp	ne locatio	on, aa	ite or t	ime or	conec	tion is	consid	erea ir	aug an	ia may	oe gr	ounas	ior ieg	an action.		
	d by: (Signatur	٥)		Date	Time	Rechined his (Signatur	صاه:		_		Date			_	Time						Samples re	ouiring th	ermal
	7 4/2	F' -		6/9/25	8:00	Vichelle	73.	ma a	lex	, l	. وأ	G.	25	5	Ĩ	35	6				servation n		
	ed by: (Signatur	e)		Date	Time	Received by: (Signatu		7	цсу		Date	·	<i>O</i> '		Time	336					the day th		
IMA:	chelle (73 72 Amarica (A)	dec	4925	have Je.						۲.	a	.7			10	.2	0	1 1		eived pack	•	•
	d by: (Signatur		-(-,	Date	Time (Signature)				_		Date			_	Time	-		_	1 1		bove 0 but		•
$\mathcal{L}_{\mathcal{L}}$	(,,)			6.4.25	Time 2300 Received by: (Signature)					6.1	<u>ام</u>	25		0	80	20			٥		uent day		
Reinquish	ed by: (Signatur	e)		Date	Time Received by: (Signature)					Date				Time				1 1			Use Only		
					incestred by, (signature)													1			ed on ic		
Relinquish	ed by: (Signatur	ture) Date Time Received by: (Signature)				-) N	٠.									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other									lass, p) - pc	ly/pla	stic,	ag - a	mbei	glas	s, v -	VOA						
Note: Sam	oles are discard	ed 14 days	after results	are reported unless of	ther arrangements are i	nade. Hazardous sampl														r the	analysis of t	he above s	amples is
applicable	only to those sa	mples rece	ived by the	laboratory with this CO	C. The liability of the la	boratory is limited to the	e amou	int paid f	for o	n the	report	t.											

Printed: 6/10/2025 1:24:40PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

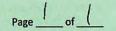
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	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:	agiovengo@ensolum.com	Due Date:	06/16/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss	•			Comment	ts/Resolution
Sample '	Furn Around Time (TAT)	ion.				
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
-	•					
12. was u	ne sample received on ice? Note: Thermal preservation is not required, if samples a	re received within	Yes			
	15 minutes of sampling					
13. See C	COC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded	in comments.		
Sample (<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are \	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are n	on-VOC samples collected in the correct containers	s?	Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field La	<u>bel</u>					
20. Were	field sample labels filled out with the minimum inf	ormation:				
	sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation the COC or field lebels indicate the second system of	magamyad9	NI-			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved? filtration required and/or requested for dissolved m	otala?	NA N-			
		iciais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphe		No			
27. If yes	s, does the COC specify which phase(s) is to be ana	yzed?	NA			
Subcont	ract Laboratory					
28. Are s	amples required to get sent to a subcontract laborate	ory?	No			
29. Was a	a subcontract laboratory specified by the client and	if so who?	NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					
1						

Date

(=	enviroteci
	Client Inform
	Client: Matador Production Co
	Project Name: Dagger Lake So
	Project Manager: Ashley Giov

Chain of Custody



Received by OCD: 9/10/2025 2:53:57 PM

Client Information			Invoi	ce Information				7	La	b Us	e On	٧			TAT				State				
Client: N	Natador Prod	luction Co	ompany		Company: Enso	lum LLC		L	ab V	NO#			Job N	lum	ber		1D	2D	3D	Std	NM	CO UT	TX
	lame: Dagge	Name and Address of the Owner, where			Address: 3122 N	lational Parks Hwy		F	5	260	063	3	250	03-	000	2				X	x		
Project N	Manager: As	nley Giove	engo		City, State, Zip:	Carlsbad NM, 8822	0				-												
	3122 Natio				Phone: 575-98				Γ		7.10		Ana	vsis	and	Met	hod				EPA Program		
	e, Zip: Carls				Name of the last o	go@ensolum.com	1		ı			N.S									SDWA	CWA	RCRA
-	575-988-005				Miscellaneous:	AOG-CHISOIGHI.COM	-											(-)	1 - 6				
And in column 2 is not a second of the column 2 is not a secon	giovengo@e	THE RESERVE AND ADDRESS OF THE PARTY OF THE	om		Wildermaneous.					5	5										Complian	ce Y	or N
										80	8	_		9	_	2					PWSID#		
				Sample Inform						(d 0)	100	802	8260	300	T-30	Meta		NN	¥				
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Filter	Lab Numb	per	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		MN - DOGDG	BGDOC - TX		Samle Temp		narks
13:46	6/6/2025	S	1		FS84~ 0.5'			1										x			0.8	Locce	ted ole
13:43	6/6/2025	S	1		FS 85 -0.5'			2										x			0.5	nami	
13:41	6/6/2025	S	1		FS86 - 0.5'			3										x			1.0	Clien	170
																						NS 6	25-25
																							A E B
																						NE T	15
			6 107													1							7 E
Addition	al Instruction	ns: Plea	se CC: cb	urton@ensolum.c	om, agiovengo@e	nsolum.com, iestr	ella@	ensol	um.	com,	cha	milte	on@e	enso	lum.	com,	bmo	oir@	enso	lum.	.com		
The second secon		e validity and	authenticity	of this sample. I am awar	e that tampering with or i	ntentionally mislabeling th	e sampl	e locatio	on, da	te or t	ime of	collec	tion is	consid	ered f	raud as	nd may	y be gr	ounds	for leg	gal action.		
Contract of the land of the	:Cole Burton ed by: (Signatur	6)		Date	Time	Rectined he /Clareton	01-	-		7	Date				Time		-	-			Samples re	onulring 44	ormal
in the state of th				6/9/25	8:00	Vickelle	Ga	nza	les	,	1.	.G.	25	7	1	35	16			K. Warnell	servation		
	ed by: (Signatur			Date	-	Received by Gionatus	e)	7	70						Time	-	- 4			March 1997	the day t		19109191919191
Wi	chelle (zonzo	des	4925	1615	Indew J	1.					9	2	5		16	03	0		rec	elved pack	ed on Ice	at a temp
Relinquish	ed by: (Signatur	Le.		6. q.25	2300	Received by: (Signatur		3			6.	10-	25		Time O	80	00)	13	a	bove 0 bu subse	t less than quent day	ALCO ALTO COLOR
Relinquished by: (Signature) Date			Date	Time	Received by: (Signatur	e)	T			Date				Time			T.		Lab Use Only				
Relinquished by: (Signature) Date			Date	Time Received by: (Signature)						Date				Time						Received on ice:			
		-lid e- cl		O OH	1		ICort.	leor Y			lace .		h./=!	retic	20	- de	e alse		VOA	-	44		-
	trix: S - Soil, Sd - S				her arrangements are a	nade. Hazardous sample		einer T												or the	analysis of	the above s	amples is
						poratory is limited to the							eu Ul	at titt	citett	cxhe	1136, 1	me re	port 10	or the	analysis Of	the above s	emples is

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo06/25/25 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.

ſ	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	6/25/2025 4:10:19PM

FS01 - 1' E506079-01

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: B	A		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		96.3 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8		99.2 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: BA	A		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		96.3 %	70-130		06/12/25	06/13/25	
Surrogate: Toluene-d8		99.2 %	70-130		06/12/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: Kl	Н		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		105 %	61-141		06/12/25	06/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: D	Γ		Batch: 2524098
Chloride	ND	20.0	1		06/12/25	06/13/25	



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

FS02 - 1' E506079-02

		E300073-02					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilui	tion	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: B	A		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	A	Analyst: B	A		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	A	Analyst: K	Н		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: D	Т		Batch: 2524098
Chloride	ND	20.0	1		06/12/25	06/13/25	

Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/20254:10:19PM

FS03 - 1' E506079-03

		E300077-03				
Analyte	Result	Reporting Limit	Dilut	tion Prepared	Analyzed	Notes
Amaiye				1	Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	A	Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	

Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

FS06 - 1' E506079-04

		E300077-04					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: B	A		Batch: 2524087
Benzene	ND	0.0250	1	l	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	l	06/12/25	06/13/25	
Toluene	ND	0.0250	1	l	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	l	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	l	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	l	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	1	Analyst: B	A		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	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	1	Analyst: Kl	Н		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	I	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: D	Т		Batch: 2524098
Chloride	ND	20.0	1	l	06/12/25	06/12/25	



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

FS73 - 0.5' E506079-05

		E300077-03				
Analysis	D14	Reporting Limit	Diluti	Down J	A l J	Notes
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	A	nalyst: 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	A	nalyst: 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	A	analyst: DT		Batch: 2524098
•				06/12/25	06/13/25	



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

FS74 - 0.5' E506079-06

		E300077-00				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilut	ion Frepared	Allalyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	A	Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	

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	6/25/2025 4:10:19PM

FS75 - 0.5' E506079-07

		E5000/9-0/					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	-	Analyst: E	BA		Batch: 2524087
Benzene	ND	0.0250	1	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	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: F	ВА		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	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: k	КН		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	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: I	DT		Batch: 2524098
Chloride	ND	20.0	1	1	06/12/25	06/13/25	
morrae		_0.0					



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

FS76 - 0.5' E506079-08

D. I.			, D 1		N
Kesuit	Limit	Dilut	tion Prepared	Analyzed	Notes
mg/kg	mg/kg	A	Analyst: BA		Batch: 2524087
ND	0.0250	1	06/12/25	06/13/25	
ND	0.0250	1	06/12/25	06/13/25	
ND	0.0250	1	06/12/25	06/13/25	
ND	0.0250	1	06/12/25	06/13/25	
ND	0.0500	1	06/12/25	06/13/25	
ND	0.0250	1	06/12/25	06/13/25	
	93.7 %	70-130	06/12/25	06/13/25	
	101 %	70-130	06/12/25	06/13/25	
	101 %	70-130	06/12/25	06/13/25	
mg/kg	mg/kg	A	Analyst: BA		Batch: 2524087
ND	20.0	1	06/12/25	06/13/25	
	93.7 %	70-130	06/12/25	06/13/25	
	101 %	70-130	06/12/25	06/13/25	
	101 %	70-130	06/12/25	06/13/25	
mg/kg	mg/kg	A	Analyst: KH		Batch: 2524097
25.3	25.0	1	06/12/25	06/13/25	
ND	50.0	1	06/12/25	06/13/25	
	103 %	61-141	06/12/25	06/13/25	
mg/kg	mg/kg	A	Analyst: DT		Batch: 2524098
	ND mg/kg 25.3	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 401 % 101 % 1	mg/kg mg/kg rg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 101 % 70-130 101 % 70-130 mg/kg mg/kg ND 20.0 1 93.7 % 70-130 101 % 70-130 101 % 70-130 mg/kg mg/kg mg/kg mg/kg ND 50.0	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/12/25 ND 0.0250 1 06/12/25 ND 0.0250 1 06/12/25 ND 0.0500 1 06/12/25 ND 0.0250 1 06/12/25 ND 0.0250 1 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 101 % 70-130 06/12/25 100 % 70-130 06/12/25 <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/12/25 06/13/25 ND 0.0500 1 06/12/25 06/13/25 ND 0.0250 1 06/12/25 06/13/25 ND 0.0250 1 06/12/25 06/13/25 ND 70-130 06/12/25 06/13/25 101 % 70-130 06/12/25 06/13/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/12/25 06/13/25 101 % 70-130 06/12/25 06/13/25 101 % 70-130 06/12/25 06/13/25 101 % 70-130 06/12/25 06/13/25 101 % 70-130</td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/12/25 06/13/25 ND 0.0500 1 06/12/25 06/13/25 ND 0.0250 1 06/12/25 06/13/25 ND 0.0250 1 06/12/25 06/13/25 ND 70-130 06/12/25 06/13/25 101 % 70-130 06/12/25 06/13/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/12/25 06/13/25 101 % 70-130 06/12/25 06/13/25 101 % 70-130 06/12/25 06/13/25 101 % 70-130 06/12/25 06/13/25 101 % 70-130



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	6/25/2025 4:10:19PM

FS77 - 0.5' E506079-09

		E5000/9-09					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: E	BA		Batch: 2524087
Benzene	ND	0.0250	1	l	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	l	06/12/25	06/13/25	
Toluene	ND	0.0250	1	l	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	l	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	l	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	l	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: E	BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	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: K	СН		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/12/25	06/13/25	_
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	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: Γ	DT		Batch: 2524098
Chloride	ND	20.0	1	1	06/12/25	06/13/25	



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

FS78 - 0.5' E506079-10

		E300073-10					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Allaryte	Resuit	Lillit	Dilui	tion .	rrepared	Anaryzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	A	Analyst: DT			Batch: 2524098
Chloride	ND	20.0	1		06/12/25	06/13/25	



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	6/25/2025 4:10:19PM

FS79 - 0.5'

		E506079-11					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	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	į	1	06/12/25	06/13/25	
Toluene	ND	0.0250	į	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	



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	6/25/2025 4:10:19PM

FS80 - 0.5' E506079-12

		E300077-12				
Andre	Dl/	Reporting		D	Auglese 1	Notes
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	A	nalyst: 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	A	nalyst: 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	A	.nalyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

FS81 - 0.5' E506079-13

		2000077 10				
Austra	Result	Reporting Limit	Dilut	i D	A alasana d	Notes
Analyte	Kesuit	Limit	Dilut	ion Prepared	Analyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	A	Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

FS82 - 0.5' E506079-14

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	
		_				2524000
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2524098



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

FS17 - 0.5' E506079-15

		E300077-13				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilui	non Frepared	Anaryzed	INUIES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	A	Analyst: DT		Batch: 2524098
Chloride	ND	20.0	1	06/12/25	06/13/25	



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

SW01 - 0-1' E506079-16

		E300073-10					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Analyte	Result	Liinit	וווונו	uon	rrepareu	Anaryzed	inotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	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	A	Analyst: DT			Batch: 2524098
Chloride	ND	20.0	1		06/12/25	06/13/25	



Matador Resources, LLC.Project Name:Dagger Lake South TB5400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

SW02 - 0-1' E506079-17

		2000077 17					
Applieto	Result	Reporting Limit	Dilu	ıti o.u.	Prepared	Analyzed	Notes
Analyte	Kesuit	Limit	Dilu	ition	rrepared	Anaiyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: B	BA		Batch: 2524087
Benzene	ND	0.0250	1	1	06/12/25	06/13/25	
Ethylbenzene	ND	0.0250	1	1	06/12/25	06/13/25	
Toluene	ND	0.0250	1	1	06/12/25	06/13/25	
o-Xylene	ND	0.0250	1	1	06/12/25	06/13/25	
p,m-Xylene	ND	0.0500	1	1	06/12/25	06/13/25	
Total Xylenes	ND	0.0250	1	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: B	BA		Batch: 2524087
Gasoline Range Organics (C6-C10)	ND	20.0	1	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: K	Н		Batch: 2524097
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/12/25	06/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	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: D)T		Batch: 2524098
Chloride	ND	20.0	1	1	06/12/25	06/13/25	
Chloride	ND	20.0	1	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

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6/2	5/2025 4:10:19PN		
	V	olatile Organ	ic Compou	unds by EF	PA 82601	В			Analyst: BA		
Analyte		Reporting	Spike	Source		Rec		RPD			
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2524087-BLK1)							Prepared: 0	6/12/25 Analy	yzed: 06/13/25		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
o,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: Bromofluorobenzene	0.487		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: 0	6/12/25 Analy	yzed: 06/13/25		
Benzene	2.02	0.0250	2.50	<u> </u>	81.0	70-130		<u> </u>			
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					
p-Xylene	2.24	0.0250	2.50	ND	89.6	43-135					
o,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: 0	6/12/25 Analy	yzed: 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			
p-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					
a	0.504		0.500		101	70 120					

0.500

0.500

101

101

70-130

70-130

0.504

0.505

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Surrogate: Toluene-d8

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/25/2025 4:10:19PM

Nonhalogenated Organics	by EPA 8015D - GRO
-------------------------	--------------------

Analyte	Result	Reporting Limit mg/kg	Spike Level	Source Result	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	70	/0	/0	/0	Notes

	mg/kg	mg/kg	mg/kg	mg/kg	70	70	70	70	Notes
Blank (2524087-BLK1)							Prepared: 06	6/12/25	Analyzed: 06/13/2:
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: 00	6/12/25	Analyzed: 06/12/2:
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	6/12/25	Analyzed: 06/12/2:
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	6/12/25	Analyzed: 06/12/2:
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			

0.500

0.510

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

Dallas 1X, /5240		Project Manager	r: As	niey Gioveng	go				6/25/2025 4:10:19PM		
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KH		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2524097-BLK1)							Prepared: 0	6/12/25 A	analyzed: 06/13/25		
tiesel Range Organics (C10-C28)	ND	25.0									
vil Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	49.7		50.0		99.3	61-141					
CS (2524097-BS1)							Prepared: 0	6/12/25 A	analyzed: 06/13/25		
riesel Range Organics (C10-C28)	249	25.0	250		99.7	66-144					
urrogate: n-Nonane	48.5		50.0		97.0	61-141					
Matrix Spike (2524097-MS1)				Source:	E506079-1	15	Prepared: 06/12/25 Analyzed: 06/13				
tiesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156					
urrogate: n-Nonane	51.7		50.0		103	61-141					
Matrix Spike Dup (2524097-MSD1)			Source:	E506079-1	15	Prepared: 0	6/12/25 A	analyzed: 06/13/25			
tiesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156	0.0937	20			
urrogate: n-Nonane	51.0		50.0		102	61-141					



Matrix Spike Dup (2524098-MSD1)

Chloride

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 4:10:19					
		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: 0	6/12/25 A	nalyzed: 06/12/25			
Chloride	ND	20.0									
LCS (2524098-BS1)							Prepared: 0	6/12/25 A	nalyzed: 06/12/25		
Chloride	255	20.0	250		102	90-110					
Matrix Spike (2524098-MS1)			Source: E506079			04	Prepared: 0	6/12/25 Analyzed: 06/12/25			
Chloride	277	20.0	250	ND	111	80-120					

250

20.0

Source: E506079-04

110

80-120

0.794

QC Summary Report Comment:

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



Prepared: 06/12/25 Analyzed: 06/12/25

20

Definitions and Notes

l	Matador Resources, LLC.	Project Name:	Dagger Lake South TB	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
١	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.



Imaging: 9/30/2025 9:22:17 AM

) e	envirotech
	Analytical Laboratory

Client Information	
Client: Matador Production Company	
Project Name: Dagger Lake South TB	
Project Manager: Ashley Giovengo	
Address: 3122 National Parks Hwy	
City, State, Zip: Carlsbad NM, 88220	
Phone: 575-988-0055	
Email: agiovengo@ensolum.com	

Invoice Information Lab Use Only TAT State Company: Ensolum LLC Lab WO# E500019 Job Number 1D 2D 3D Std NM CO UT TX Address: 3122 National Parks Hwy 2303 002 City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 **Analysis and Method EPA Program** SDWA CWA Email: agiovengo@ensolum.com

<u>Email: a</u>	<u>giovengo@e</u> i	<u>nsolum.c</u>	om					8015	8015								Complian	e Yor N
								ğ ğ		12	ရ	300.0	¥	Metals			PWSID#	
				Sample In	nformation			Į	[2	8	8260	e 30	- 50	Š	N.	ř	<u>a</u> ĕ	
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	Lab Number	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by	Chloride	TCEQ 1005 - TX	RCRA 8	BGDOC - NM	20058	Samle 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		34	
11:43	6/9/2025	S	1		FS73 - 0.5'		5								x		38	
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								×		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		<i>a</i> .3	

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com

Miscellaneous:

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

Relinguished by: (Signature)	Date 6/10/25	Time S:UU	Received by (Signature) Gonzales	Le 10.25	0 8 O	Samples re preservation
Relinquished by: (Signature)	Date -11-25	1700	Received by (Signature)	C-11-25	170 G	ice the day the received pack
Relinduished by: (Synature) prafe;	G-11-25	7ime 2230	attie than	Date -10.12.25	700	above 0 but subse
Relinquished by: (Signature)	Date	Time			Time	Lab
						Recei
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	(

requiring thermal n must be received on they are sampled or cked on ice at a temp out less than 6°C on sequent days.

b Use Only eived on ice: ON

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.

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

	Clie	nt Inforn	nation		Invo	ice Information			-	نا	b Use	Onl	ly		٦		T/	AT			Sta	te
Client: N	Matador Prod				Company: Enso			Lab	WO	#	Ţ	ob N		ber	┪	1D	2D	3D	Std	NM	co U	ТХТ
	lame: Dagge					lational Parks Hwy		SOL	07	<u>۾</u> ۾	<u> 250</u>	203	$\cdot \alpha$	2			_	x	×			
Project N	Manager: Asi	nley Giov	engo		City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Analysis ar																	
	3122 Nation								<u> </u>			<u>Anal</u>	lysis	and f	/let	hod					A Prog	
	te, Zip: Carls		88220			go@ensolum.com			1						- 1	1			L	SDWA	CWA	RC
	575-988-005				Miscellaneous:					١										<u> </u>	. 1 .	+
<u>Email: a</u>	giovengo@e	nsolum.c	om						8015	8015			ا ،	ľ	"					Compliance PWSID #	: Y	or_
				Sample Infor	mation				þ þ	o by	8021	838	300.	ξ.	Meta		Σ	 <u>4</u>	ŀ			
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field	Lab Number	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	voc by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NW	BGDOC - TX		Samle Temp	Re	marks
11:33	6/9/2025	S	1		FS79 - 0.5'			11									х			3.7		
11:28	6/9/2025	S	1		FS80 - 0.5			12									х			3.5		
11:24	6/9/2025	S	1		FS81 - 0.5'			13									x			4.2		
11:22	6/9/2025	S	1		FS82 - 0.5'			14									х			3.7		
11:20	6/9/2025	S	1		FS83 - 0.5'			15									х			2.1		
13:12	6/9/2025	S	1		SW01 - 0-1'			10									х			3.0		
13:14	6/9/2025	S	1		SW02 - 0-1'			17									х			2.7	=	
Addition	nal Instructio	ns: Pie	ase CC: cb	ourton@ensolum.	com, agiovengo@e	nsolum.com, iestr	ella@	Pensolum	1.con	n, cha	milto	n@e	enso	lum.c	om,	, bmc	oir@	enso	lum.c	om		
	pler), attest to the	validity and	l authenticity	of this sample. I am awa	re that tampering with or					r time c	f collect	ion is e	consid	lered fra	ud a	nd may	be gr	ounds (or lega	l action.		
Relinguish	ed by: (Signature	(M)	-	Date 6/10/25	Time 8:00	Reclaired by: ASignatu	re)G	onzal	les	Date	-10	25	5	Time	<u></u>	Ö				amples red ervation m		
Relinquish	ed by: (Signatur	e) 7 onso	ıleş	(e-11-25	1700	Received by (Signatu		nueale	7	Date	11-	25	_		70					the day the ived packe	•	•
Religiquesh	hed by: (Signatus	oreas	les	Date 6-11-25	72 3 ₀	Receive thy: to gradu	2	Will	2-	D-4-	·12·			Time 7	α	כ			at	oove 0 but subseq		
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	re)			Date				Time				1			Jse On	
										<u> </u>								ļ ļ		Receiv		ce:
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	re)			Date				Time				1 1) N	

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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

envirotech Inc.

Printed: 6/12/2025 9:56:26AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	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	7:00 (3 day TAT)		
Chain of	Custody (COC)					
1. Does th	e sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucss		Yes		<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)					
	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>cooler</u>					
7. Was a s	ample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
-	e sample received on ice?		Yes			
	Note: Thermal preservation is not required, if samples at 15 minutes of sampling					
	OC for individual sample temps. Samples outside of	of 0-C-6-C will be	recorded in	comments.		
Sample C			ът.			
	queous VOC samples present?		No NA			
	OC samples collected in VOA Vials?		NA NA			
	head space less than 6-8 mm (pea sized or less)?					
	trip blank (TB) included for VOC analyses?	0	NA			
	on-VOC samples collected in the correct containers		Yes			
	appropriate volume/weight or number of sample contains	mers conected?	Yes			
Field Lab		·				
	field sample labels filled out with the minimum inf ample ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		No			
Sample P	reservation_					
21. Does t	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	imple(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved m	etals?	No			
<u>Multipha</u>	se Sample Matrix					
26. Does t	the sample have more than one phase, i.e., multipha	ase?	No			
27. If yes,	does the COC specify which phase(s) is to be anal	lyzed?	NA			
Subcontr	act Laboratory					
	imples required to get sent to a subcontract laborate	ory?	No			
	subcontract laboratory specified by the client and it	•		Subcontract Lab: NA		
	struction					
<u>eneme in</u>	<u> </u>					

Date

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

envirotech Analytical Laboratory
Client Informati

Chain of Custody

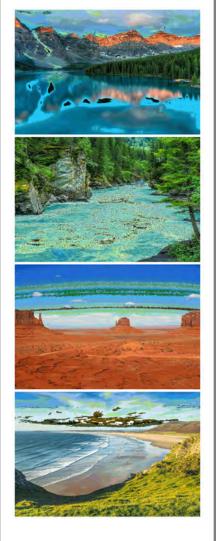
	Clie	nt Inform	nation		Invo	ice Information					La	ab Use Only			TAT			State			
	Natador Prod				Company: Ensc				Lab \	WO#	07	~	1 dol	Num	ber		ID :	2D 3	D St	NM	CO UT TX
	lame: Dagge					National Parks Hwy			ES	do	OI'	9	230	103	000	2			X	X	
	Manager: As				The second secon	Carlsbad NM, 8822	0											34.5			
-	3122 Natio				Phone: 575-98		_	_			100		Ana	lysis	and	Meth	od	-		~	PA Program
	e, Zip: Carls		88220			ngo@ensolum.com														SDWA	CWA RCRA
	75-988-005	The second second			Miscellaneous:															Carrellan	- V ss N
Email: a	giovengo@e	isolum.co	OIII				7500			801	8018			0		,				Complian PWSID #	ce Y or N
-			= = =	Sample Infor	mation		-	-) by) by	3021	260	300.	7	deta		Z	×		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field	Lal Num	b	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	Samle	Remarks
13:06	6/9/2025	S	1		FS01 - 1'	War in the		1	DEI	٥	9	8	>	U	F	~		X		3.4	corrected sample
13:07	6/9/2025	S	1		FS02 - 1'			2										х		3.8	#15
13:09	6/9/2025				FS03 - 1'		-	4	-4							-		^	+		per client.
13.03		S	1					3										X		3.0	
13:16	6/9/2025	S	1		FS06 - 1'			4										x		3.4	NS 6-25-25
11:43	6/9/2025	S	1		FS73 - 0.5'			5										x		38	
14:13	6/9/2025	S	1	FIRM	FS74 - 0.5'			6										х		3.8	
11:44	6/9/2025	S	1		FS75 - 0.5'	THE THE		7										х		2.7	
11:42	6/9/2025	S	1		FS76 - 0.5'			8										х		2.8	
11:37	6/9/2025	S	1		FS77 - 0.5'			9										х		2.6	
11:35	6/9/2025	S	1		FS78 - 0.5'	A PART		10										x		2.3	
Addition	al Instruction	ns: Plea	se CC: cb	urton@ensolum.	com, agiovengo@e	ensolum.com, iestr	ella@	ensol	lum.	com,	, cha	milto	on@e	nso	um.c	om, b	moi	r@er	solum	.com	
I, (field sam	pler), attest to the	validity and	authenticity	of this sample. I am awa	re that tampering with or	Intentionally mislabeling th	ne samp	ple locati	on, da	te or t	lme of	collec	tion is	consid	ered fr	aud and	may b	e grou	nds for le	gal action.	
Sampled by	Cole Burton_																-				
Relinguish	ed by: Signatur	e)		6/10/25	B:00	Received by Signatu	re'G	ons	rle	8	Date	10	1.25	5	Time	80	0		pr		equiring thermal must be received on
Relinguish	ed by: (Signatur	Gons	alec	16-11-25	Time 1700	Received by (Signatu	P	rosea	4		Date C-	11-	25		Time	700			200		hey are sampled or ked on ice at a temp
The state of the s	ed by Islandur	toneage	3	6-11-25	Time 2230	Receive they: (Signatu	A.	Al	111	2	Date -/n	1	.25		Time 70	00					t less than 6°C on
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	rej				Date				Time		11,				Use Only
			3 4 1					18											18		ived on ice:
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatu	re)				Date				Time						Ø N
and the same of th	trix: S - Soil, Sd - S					ALTERNATION OF THE PARTY OF THE		tainer			A COLUMN TO A COLU			-	-		-	1100	_		
Note: Sam	ples are discard	ed 14 days	after results	are reported unless of	ther arrangements are	made. Hazardous samp!	es will	be retu	med	to clie	ent or	dispo	sed of	at the	client	expen	se. Th	е герс	rt for th	e 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

7.11	Clie	nt Inform	- T		Invo	ice Information	0.0	1		-	Lah	LIS	e Onl	v	-			T	AT			State	
Client: N	Matador Prod			1	Company: Ensc				ab W	10#			Job N	_	her		10		3D	Std	NM	CO UT	
	lame: Dagge					National Parks Hwy		_ F	- W	Yol	279		250	n 2	m	2	10	20	30	x	X	CO O.	
	/lanager: As					Carlsbad NM, 88220)	_		NE.			200	עע		<u>~~</u>						100	
	3122 Natio				Phone: 575-98				Г				Anal	vsis	and	Met	hod	_			EP	A Progra	m
	e, Zip: Carls	Annual Control of Cont	Section 2 in Contrast of the C			ngo@ensolum.com				T				,							SDWA	CWA	RCRA
	575-988-005				Miscellaneous:	Igo@Ciisoidiii.com																	
	giovengo@e		om		Wilderich Coup.					2	2							3			Compliand	e Y	or N
										8	8	-		0.	×	sia					PWSID#		
				Sample Info	rmation					8	8	/802	826	e 300	05 - T	Met		NN.	¥		e c		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field	Lab Numb	per	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		WN-DOGDE	M- DOGD8		Samle Temp	Ren	arks
11:33	6/9/2025	S	1		FS79 - 0.5'			11										×			3.7		
11:28	6/9/2025	S	1		FS80 - 0.5			12										x			3.5		
11:24	6/9/2025	S	1		FS81 - 0.5'			13	3									×			4.2		
11:22	6/9/2025	S	1		FS82 - 0.5'			14										x			3.7		
11:20	6/9/2025	S	1		FS 83 ~ 0.5'			15	-									x			2.1		
13:12	6/9/2025	S	1		SW01 - 0-1'	HI YE EN		14)									x			3.0		
13:14	6/9/2025	S	1		SW02 - 0-1'			17										×			2.7		
Addition	nal Instructio	ns: Plea	ase CC: cb	urton@ensolum	.com, agiovengo@e	ensolum.com, iestre	lla@	ensol	um.c	om,	chan	nilte	on@e	nso	lum.	com,	, bm	oir@	enso	lum.	.com		
A Control of the Control	Access to the second second second	e validity and	authenticity	of this sample. I am aw	are that tampering with or	intentionally mislabeling th	e sampl	e locatio	on, dat	e or ti	ime of	collec	tion is	consid	lered f	raud a	nd ma	y be gr	rounds	for leg	gal action.		
	Cole Burton	(a)	-	Inate	Time	Rankfart hur (Single	010	-	-	- 1	Date	1	7		Time		12200			-19	Samples re	outiring th	ermal
Keingush	ed by: (Signatur	in		6/10/25	8:00	Vichelle	Gi	sone	ale	c	10-	IN	25		D	80	O				servation r		
Relinquish	ed by: (Signatur			Date	Time	Received by (Signatur	0	1	2	-	Date	U			Time				11 11	Section 20	the day th		
	chelle (lec	10-11-25	1700	1/Sphard	1	Mes	le.		Date.	11.	-25		1	70	06				eived pack		
The second second second	ed by: (Signatus		11	Date	Time	Receivesby: +9 gratur	er		7		Date				Time						bove 0 but		2000
1/2/4	hard (Toway	14	G-11-25	2230	unu	9 66	W	n		G.	17	.25			100)				subse	quent day	s.
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signatur	e)				Date	115	113		Time							Use Only	
				A				-														ved on ic	e:
Relinquish	ed by: (Signatur	re)		Date	Time	Received by: (Signatur	e)				Date				Time						(N/A	
	trix: S - Soil, Sd - S							ainer 1															
Note: San	ples are discard	ied 14 days	after results	are reported unless	other arrangements are	made. Hazardous sample	s will b	e retur	med to	o clie	nt or d	ispos	sed of	at the	e clien	t expe	ense. T	The re	port fo	or the	analysis of	the above s	amples is
applicable	only to those s	amples rece	lived by the	laboratory with this C	OC. The liability of the la	boratory is limited to the	amou	nt paid	tor or	n the	report												

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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.	Project Name:	Dagger Lake South TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	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.

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	6/23/2025 3:55:17PM

FS10-0.5' E506143-01

	E300143-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: BA		Batch: 2525062
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0500	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
	107 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Analy	vst: BA		Batch: 2525062
ND	20.0	1	06/18/25	06/18/25	
	95.9 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Analy	st: HM		Batch: 2525066
79.3	25.0	1	06/18/25	06/19/25	
ND	50.0	1	06/18/25	06/19/25	
	106 %	61-141	06/18/25	06/19/25	
mg/kg	mg/kg	Analy	vst: DT		Batch: 2525068
ND	20.0	1	06/18/25	06/18/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 79.3 ND	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 IO7 % mg/kg mg/kg mg/kg ND 20.0 95.9 % mg/kg mg/kg mg/kg 79.3 25.0 ND 50.0 106 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 mg/kg mg/kg Analy ND 20.0 1 95.9 % 70-130 mg/kg mg/kg Analy 79.3 25.0 1 ND 50.0 1 106 % 61-141 1 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0500 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 mg/kg Mg/kg Analyst: BA ND 20.0 1 06/18/25 mg/kg Mg/kg Analyst: HM 79.3 25.0 1 06/18/25 ND 50.0 1 06/18/25 ND 50.0 1 06/18/25 MD 50.0 1 06/18/25 mg/kg Mg/kg Analyst: HM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0500 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 MD 0.0250 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: HM 79.3 25.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 Mg/kg Mg/kg Analyst: DT

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	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	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2525062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		108 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2525068
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	6/23/2025 3:55:17PM

FS23-0.5' E506143-03

		1300145 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
-Xylene	ND	0.0250	1	06/18/25	06/18/25	
o,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2525062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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	
Surrogate: n-Nonane		107 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2525068
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	6/23/2025 3:55:17PM

FS29-0.5' E506143-04

		1500145 04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
oluene	ND	0.0250	1	06/18/25	06/18/25	
-Xylene	ND	0.0250	1	06/18/25	06/18/25	
,m-Xylene	ND	0.0500	1	06/18/25	06/18/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/18/25	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2525062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		106 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2525068
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	6/23/2025 3:55:17PM

FS31-0.5' E506143-05

	E300145 03				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2525062
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
0.0515	0.0500	1	06/18/25	06/18/25	
0.0515	0.0250	1	06/18/25	06/18/25	
	108 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2525062
ND	20.0	1	06/18/25	06/18/25	
	97.6 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Anal	yst: HM		Batch: 2525066
206	25.0	1	06/18/25	06/19/25	
103	50.0	1	06/18/25	06/19/25	
	107 %	61-141	06/18/25	06/19/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2525068
ND	20.0	1	06/18/25	06/18/25	
	mg/kg ND ND ND ND 0.0515 0.0515 mg/kg ND mg/kg 206 103	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 0.0515 0.0500 0.0515 0.0250 108 % mg/kg mg/kg ND 20.0 97.6 % mg/kg mg/kg mg/kg 103 50.0 107 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 0.0515 0.0500 1 0.0515 0.0250 1 mg/kg mg/kg Anal ND 20.0 1 97.6 % 70-130 mg/kg mg/kg Anal 206 25.0 1 103 50.0 1 107 % 61-141 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Manalyst: BA ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 0.0515 0.0500 1 06/18/25 0.0515 0.0250 1 06/18/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 mg/kg mg/kg Analyst: HM 206 25.0 1 06/18/25 103 50.0 1 06/18/25 103 50.0 1 06/18/25 mg/kg Mg/kg Analyst: HM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/18/25 06/18/25 0.0515 0.0500 1 06/18/25 06/18/25 0.0515 0.0250 1 06/18/25 06/18/25 0.0515 0.0250 1 06/18/25 06/18/25 0.0515 0.0250 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: HM 206 25.0 1 06/18/25 06/19/25 103 50.0 1 06/18/25 06/19/25 103 50.0 1



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	6/23/2025 3:55:17PM

FS32-0.5' E506143-06

		E300143-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Thaife	resuit	Ziiiii			7 mary 200	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2525062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.1 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		109 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2525068
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	6/23/2025 3:55:17PM

FS66-0.5' E506143-07

	E300145 07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2525062
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0500	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
	107 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2525062
ND	20.0	1	06/18/25	06/18/25	
	96.5 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Analy	yst: HM		Batch: 2525066
ND	25.0	1	06/18/25	06/19/25	
ND	50.0	1	06/18/25	06/19/25	
	105 %	61-141	06/18/25	06/19/25	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2525068
ND	20.0	1	06/18/25	06/18/25	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ND 0.0250 MD 0.0250 Mg/kg mg/kg Mg/kg mg/kg ND 20.0 96.5 % mg/kg MD 25.0 ND 50.0 105 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Analy ND 20.0 1 96.5 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 105 % 61-141 61-141 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0500 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 mg/kg Malyst: BA ND 20.0 1 06/18/25 mg/kg Analyst: BA ND 20.0 1 06/18/25 mg/kg Mg/kg Analyst: HM ND 25.0 1 06/18/25 ND 50.0 1 06/18/25 ND 50.0 1 06/18/25 mg/kg Mg/kg Analyst: HM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0500 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 MD 0.0250 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: HM ND 25.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 MD 50.0 1 06/18/25



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	6/23/2025 3:55:17PM

FS67-0.5' E506143-08

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: BA		Batch: 2525062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: 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	
Surrogate: n-Nonane		104 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2525068
Chloride	ND	20.0	1	06/18/25	06/18/25	·



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	6/23/2025 3:55:17PM

FS68-0.5' E506143-09

	E300145 07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2525062
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0500	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
	107 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2525062
ND	20.0	1	06/18/25	06/18/25	
	95.5 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Analy	yst: HM		Batch: 2525066
ND	25.0	1	06/18/25	06/19/25	
ND	50.0	1	06/18/25	06/19/25	
	104 %	61-141	06/18/25	06/19/25	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2525068
ND	20.0	1	06/18/25	06/18/25	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ND 0.0250 MD 0.0250 Mg/kg mg/kg Mg/kg mg/kg ND 20.0 95.5 % mg/kg MD 25.0 ND 50.0 104 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Analy ND 20.0 1 95.5 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 104 % 61-141 61-141 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0500 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 mg/kg Analyst: BA ND 20.0 1 06/18/25 mg/kg Analyst: BA ND 20.0 1 06/18/25 mg/kg Analyst: HM ND 25.0 1 06/18/25 ND 50.0 1 06/18/25 ND 50.0 1 06/18/25 mg/kg Mg/kg Analyst: HM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0500 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 MD 0.0250 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: HM ND 25.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25



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	6/23/2025 3:55:17PM

FS69-0.5' E506143-10

	E300145 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2525062
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0500	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
	108 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2525062
ND	20.0	1	06/18/25	06/18/25	
	96.6 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Analy	yst: HM		Batch: 2525066
ND	25.0	1	06/18/25	06/19/25	
ND	50.0	1	06/18/25	06/19/25	
	108 %	61-141	06/18/25	06/19/25	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2525068
ND	20.0	1	06/18/25	06/18/25	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 I08 % mg/kg Mg/kg mg/kg ND 20.0 96.6 % mg/kg ND 25.0 ND 50.0 108 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 mg/kg mg/kg Analy ND 20.0 1 96.6 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 108 % 61-141 1 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0500 1 06/18/25 ND 0.0250 1 06/18/25 mg/kg Malyst: BA ND 20.0 1 06/18/25 mg/kg Analyst: BA ND 20.0 1 06/18/25 mg/kg Mg/kg Analyst: HM ND 25.0 1 06/18/25 ND 50.0 1 06/18/25 ND 50.0 1 06/18/25 mg/kg Mg/kg Analyst: HM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0500 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 MD 0.0250 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: HM ND 25.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25



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	6/23/2025 3:55:17PM

FS70-0.5' E506143-11

	E300145 11				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: BA		Batch: 2525062
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
ND	0.0500	1	06/18/25	06/18/25	
ND	0.0250	1	06/18/25	06/18/25	
	108 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Analy	vst: BA		Batch: 2525062
ND	20.0	1	06/18/25	06/18/25	
	96.2 %	70-130	06/18/25	06/18/25	
mg/kg	mg/kg	Analy	st: HM		Batch: 2525066
ND	25.0	1	06/18/25	06/19/25	
ND	50.0	1	06/18/25	06/19/25	
	107 %	61-141	06/18/25	06/19/25	
mg/kg	mg/kg	Analy	vst: DT		Batch: 2525068
ND	20.0	1	06/18/25	06/18/25	
	mg/kg ND mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I08 % mg/kg mg/kg mg/kg ND 20.0 96.2 % mg/kg ND 25.0 ND 50.0 107 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 Mg/kg mg/kg Analy ND 20.0 1 96.2 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 107 % 61-141 1 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0500 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 mg/kg Analyst: BA ND 20.0 1 06/18/25 mg/kg Analyst: HM ND 25.0 1 06/18/25 ND 50.0 1 06/18/25 ND 50.0 1 06/18/25 ND 50.0 1 06/18/25 Mg/kg Analyst: HM ND 61-141 06/18/25	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0500 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 ND 0.0250 1 06/18/25 06/18/25 MD 0.0250 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 06/18/25 mg/kg mg/kg Analyst: HM ND 25.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 MD 50.0 1 06/18/25



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	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	Analy	rst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2525062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		108 %	61-141	06/18/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2525068
Chloride	ND	20.0	1	06/18/25	06/18/25	·



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	6/23/2025 3:55:17PM

FS72-0.5' E506143-13

	E300145 15				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2525062
ND	0.0250	1	06/18/25	06/19/25	
ND	0.0250	1	06/18/25	06/19/25	
ND	0.0250	1	06/18/25	06/19/25	
ND	0.0250	1	06/18/25	06/19/25	
ND	0.0500	1	06/18/25	06/19/25	
ND	0.0250	1	06/18/25	06/19/25	
	106 %	70-130	06/18/25	06/19/25	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2525062
ND	20.0	1	06/18/25	06/19/25	
	96.1 %	70-130	06/18/25	06/19/25	
mg/kg	mg/kg	Analy	yst: HM		Batch: 2525066
66.8	25.0	1	06/18/25	06/19/25	
ND	50.0	1	06/18/25	06/19/25	
	106 %	61-141	06/18/25	06/19/25	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2525068
ND	20.0	1	06/18/25	06/18/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 66.8 ND	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ND 0.0250 MD 0.0250 mg/kg mg/kg Mg/kg mg/kg Mg/kg mg/kg MD 50.0 106 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 mg/kg mg/kg Analy mg/kg mg/kg Analy mg/kg mg/kg Analy 66.8 25.0 1 ND 50.0 1 106% 61-141 61-141 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 06/18/25 mg/kg Mg/kg Analyst: BA ND 20.0 1 06/18/25 mg/kg Mg/kg Analyst: HM 66.8 25.0 1 06/18/25 ND 50.0 1 06/18/25 ND 50.0 1 06/18/25 MD 50.0 1 06/18/25 mg/kg Mg/kg Analyst: HM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/18/25 06/19/25 ND 0.0250 1 06/18/25 06/19/25 ND 0.0250 1 06/18/25 06/19/25 ND 0.0500 1 06/18/25 06/19/25 ND 0.0250 1 06/18/25 06/19/25 ND 0.0250 1 06/18/25 06/19/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 06/19/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 06/19/25 mg/kg mg/kg Analyst: HM 66.8 25.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25 ND 50.0 1 06/18/25 06/19/25



QC Summary Data

Matador Resources, LLC.
Project Name: Dagger Lake South TB
5400 LBJ Freeway, Suite 1500
Project Number: 23003-0002
Dallas TX, 75240
Project Manager: Ashley Giovengo

Volatile Organics by EPA 8021B

Analyst: BA

Volatile Organics by EPA 8021B Analyst: BA										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2525062-BLK1)							Prepared: 00	5/18/25	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	6/18/25	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: 00	5/18/25	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	6/18/25	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				



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/23/20253:55:17PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6/2	3/2025 3:55:17PM
		Analyst: BA							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525062-BLK1)							Prepared: 0	6/18/25 Anal	yzed: 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: 0	6/18/25 Anal	yzed: 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: 0	6/18/25 Anal	yzed: 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: 0	6/18/25 Anal	yzed: 06/23/25

50.0 8.00 ND

70-130

70-130

95.6

1.25

20

48.4

7.65

20.0

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/23/20253:55:17PM

Danas 1A, 73240		1 Toject Manage	. 7 to	micy Gloveng	30				25,2025 5.55.1711
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525066-BLK1)							Prepared: 0	6/18/25 Ana	alyzed: 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: 0	6/18/25 Ana	alyzed: 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: 0	6/18/25 Ana	alyzed: 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: 0	6/18/25 Ana	alyzed: 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			

Analyte

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Dagger Lake South TB 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/23/2025 3:55:17PM

	Anions	by EPA 3	00.0/9056 <i>A</i>	L				Analyst: DT
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525068-BLK1)							Prepared: 06	5/18/25 Ana	lyzed: 06/18/25
Chloride	ND	20.0							
LCS (2525068-BS1)							Prepared: 06	5/18/25 Ana	lyzed: 06/18/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2525068-MS1)				Source:	E506143-0	3	Prepared: 06	5/18/25 Ana	lyzed: 06/18/25
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2525068-MSD1)				Source:	E506143-0	3	Prepared: 06	5/18/25 Ana	lyzed: 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.





	Clie	nt Inforn	nation		Invoi	ice Information					La	b Us	e On	ly			TAT			State			
Client: 1	Matador Prod	luction C	ompany		Company: Ensol	lum LLC		- 1	ab V	WO#			Job I	Vum	ber		1D	2D	O 3D Std NM CO UT TX			TX	
Project I				South TB		lational Parks Hwy		_ ī	FF	51	101	43	13	Sar	.60	SO			X		X		
_	Manager: As					Carlsbad NM, 8822		- 0				-	_	00.5			_	-					
	3122 Natio				Phone: 575-988				Г				Ana	lvsis	and	Meth	nod				EP	A Progra	m
	te, Zip: Carls				The state of the s	go@ensolum.com			1	1		-		1			T				SDWA	CWA	RCRA
	575-988-005		COLLO		Miscellaneous:	goe chisolam.com		-												1			478.41
	giovengo@e		om		Wilscenaricous.			- 1			10							1	Compliano	e Y	or N		
Elliani. C	giovengoe	nsoranni.						_		8015	801			0	(Z)	20				1	PWSID#		70.1
				Sample Infor	mation					þ	3O by	8021	8260	300.	XT - 20	Meta		N.	×	1	<u>а</u> с		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID			Lab Numb	ber	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300,0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC-TX		Samle Temp	Rem	narks
14:04	6/13/2025	S	1	FS10 - 0.5'				1										х			1.6		
11:10	6/13/2025	S	1	FS18 - 0.5'				2										Х			1.5		
11:09	6/13/2025	S	1	FS23 -0.5'				3										X			1.4		
11:07	6/13/2025	S	1	FS29 - 0.5'				4										X			1.2		
11:05	6/13/2025	S	1	FS31 - 0.5'				5	,									X			1.0		
11:04	6/13/2025	S	1	FS32 - 0.5'				6										X			1.2		
14:00	6/13/2025	S	1	FS66 - 0.5'				7										X			1.1		
13:57	6/13/2025	S	1	FS67 - 0.5'				8										X			1.6		
13:53	6/13/2025	S	1	FS68 - 0.5'				9										X			3.1		
13:15	6/13/2025	S	1	FS69 - 0.5'				10)									X			3.1		
Property Pro	nal Instruction		ase CC: c	burton@ensolum.	com, agiovengo@	ensolum.com, iest	rella	@ensc	olum	n.coi	m, ch	nami	lton@	ens	olun	n.con	n, bn	noir(@ensc	olun	n.com,		
I, (field sam	pler), attest to th	e validity an	d authenticit	y of this sample. I am awa	are that tampering with or	r intentionally mislabeling	the sa	mple loca	ation,	, date	or time	e of co	llection	is cor	nsidere	d fraud	and n	nay be	ground	ls for	legal action.		
	:Jarad McCau			Date	Time	Instance Durielline			0		Data	_			Time			-		_	rance believes	and the same of	mars av
Kelindulst	ed by: (Signatur	e)		06-16-2025	0716	Received by: (Signatu	4	317	21:	8	1	110	15			ni	D				amples re		
Della Auto	ed by: (Signatur	-01	Α.	Date	Time			0	-	0	Date 6	IV	0	•	Time	///	0				ervation n the day th		
Reindust	chelle	Gans	alex	6-17.25	D30	Received by: (Signatu	1	2,0	_//		C.	-17	-7 4	_		73					ived pack		the same and the same
	ed by: (Signatu	-	1	Date	Time 2245	Received by: (Signate	1	- OPPEC	1/5	-	Date		0	•	Time		, 0	-			oove 0 but		The second of
	rard	57.680	le.	6-17-25	2250 00	1.1		MA		2	10	.19	. 1	-	7	ni)			aı		quent day	
1	ed by: (Signatu	- way	9	Date	Time	According to the second	28		ALL		U	10	_4	>	Time	UU		-	-	-		Use Only	
Keiniquisi	ied by, (signatu	(6)		Date	11110	Technical by, (Signate					Dute								1			ved on ic	
Relinquish	ed by: (Signatu	re)		Date	Time	Received by: (Signatu	ıre)				Date				Time						20-20-2	y)/ N	е,
Sample Ma	trix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aau	eous, O - Other			Con	tainer 7	Туре	: g -	glass.	p - r	oly/p	lastic	c, ag	amb	er gla	iss, v	- VOA				
					other arrangements are	e made. Hazardous sar															r the analys	is of the a	oove
					with this COC. The liab												-000						

	Clier	nt Inform	ation		Invo	ice Information					Lab	Use O	nly				T	AT		State
Client: N	Natador Prod	uction Co	ompany		Company: Ense	olum LLC		La	ab V	VO#			Num		02	1D	2D	3D Std	NM	CO UT
Project N		Dagger L		h TB		National Parks Hy		E	5	NOIS	13	23	003	.00	0			X	X	
	Manager: Ash					Carlsbad NM, 88	220		-											
	3122 Nation				Phone: 575-98		_	_	-	T.	_	Ana	alysis	and	Met	hod	_			A Program
	e, Zip: Carls		88220			ngo@ensolum.co	m	_											SDWA	CWA
	575-988-005		on ster		Miscellaneous:			- (1				Compliano	e Y
Email: a	giovengo@e	nsolum.c	om		13			_		8015	CT OS				v				PWSID#	e I
				Sample Inf	ormation			_		yd C	100	260	300.	Ę.	Aetal		×	×		
Time		100	No. of	Sample IIII	9-1-7-6		0 6	Lab		DRO/ORO by 8015	GRU/DRU BY 80.13	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	. 11	BGDOC - NM	BGDOC - TX	Samle Temp	Rema
Sampled	Date Sampled	Matrix	Containers		Sample ID		Field	Lab Numb	er	DRO DRO	2 1	VOC NOC	Chlo	TCEG	RCR.		BGD	BGD(S -	
13:56	6/13/2025	S	1	FS70 - 0.5'				11									X		1.1	
13:50	6/13/2025	S	1	FS71 - 0.5'				12									X		1.9	
13:13	6/13/2025	S	2	FS72 - 0.5'				13									х		3.8	
							+			+	+		-	-						
									4	-	+	-	-	-						
			1						4											
A dditio	and Instruction	ne: Plo	300 CC: 0	hurton@ensolu	ım.com, agiovengo(Densolum com i	estrella	@ensc	olun	n.com	. cha	miltor	@er	solu	m.co	m. bi	moir	@ensolu	m.com.	
imccaul	ev@ensolum	com																		
			d authenticit	y of this sample. I am	aware that tampering with	or intentionally mislabe	ing the sa	imple loca	ition,	date or	time o	fcollection	on is co	onsider	ed frau	id and i	may b	e grounds fo	r legal action.	
	ed by: (Signatur			Date	Time + 7/0	Received by: (Sign	ature)		1		ate	1 1	•	Time		7		1 1	Samples re	
Me				06-16-2		Michelle			1.	X L	1.1	6.2	7	_	71	U		4 1		nust be rec
	ned by: (Signatur	1	ales	Date (7-2	S 1730	Received by: (Sign	60	TOMER	le,	Di	6-	17-7	75		73			rec	eived pack	ey are samed on ice a
Lich	raid by: (Signatur	Tokea	les	G-17-25	- 2245	Received by: (Sten	Aq	Ma	V	ID.	ate			Time	700)		ā		less than 6 quent days.
Relinquis	ned by: (Signatu	re)		Date	Time	Received by: (Sign	_				ate			Time			n			Use Only
Relinquis	ned by: (Signatu	re)	-	Date	Time	Received by: (Sign	ature)		Date					Time						ved on ice
		Solid, Sg - Slu						ntainer 1												1

Printed: 6/18/2025 8:34:59AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	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:	agiovengo@ensolum.com	Due Date:	06/23/25 17	7:00 (3 day TAT)		
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	atch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss	•	Yes		Comment	ts/Resolution
Sample T	Furn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
•	ne sample received on ice?					
	Note: Thermal preservation is not required, if samples a 15 minutes of sampling		Yes			
	COC for individual sample temps. Samples outside	of 0°C-6°C will be	recorded in	comments.		
	Container 1		3.7			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct container		Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field La		_				
	field sample labels filled out with the minimum inf	formation:	V			
	ample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes Yes			
	Preservation_		103			
	the COC or field labels indicate the samples were	oreserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved n	netals?	No			
Multiph	ase Sample Matrix					
	the sample have more than one phase, i.e., multiph	ase?	No			
	s, does the COC specify which phase(s) is to be ana		NA			
		1,200.	IVA			
	ract Laboratory		3.7			
	amples required to get sent to a subcontract laborat		No			
	a subcontract laboratory specified by the client and	ii so wno?	NA S	Subcontract Lab: NA		
Client I	<u>nstruction</u>					
1						
1						

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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.	Project Name:	Dagger Lake South TB	Panartad:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/24/25 08:59

Client Sample ID	Lab Sample ID Matrix	Sampled Received	l 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.



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	6/24/2025 8:59:34AM

FS08-0.5' E506146-01

		E300140-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2525063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	06/18/25	06/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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		109 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2525071
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	6/24/2025 8:59:34AM

FS09-0.5' E506146-02

		1500140 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
oluene	ND	0.0250	1	06/18/25	06/19/25	
-Xylene	ND	0.0250	1	06/18/25	06/19/25	
,m-Xylene	ND	0.0500	1	06/18/25	06/19/25	
Total Xylenes	ND	0.0250	1	06/18/25	06/19/25	
iurrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2525063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2525075
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/25	06/20/25	
Dil 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	Analy	st: DT		Batch: 2525071
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	6/24/2025 8:59:34AM

FS11-0.5' E506146-03

		1300140 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
oluene	ND	0.0250	1	06/18/25	06/19/25	
-Xylene	ND	0.0250	1	06/18/25	06/19/25	
,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	Analy	st: 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	Analy	st: 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	Analy	st: DT		Batch: 2525071
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	6/24/2025 8:59:34AM

FS12-0.5' E506146-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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		99.1 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2525063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	Analy	yst: DT		Batch: 2525071
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	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	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.6 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		109 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2525071
Chloride	21.2	20.0	1	06/18/25	06/18/25	



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	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	Analy	yst: 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		99.7 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2525063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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		110 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2525071
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	6/24/2025 8:59:34AM

FS15-0.5' E506146-07

	E300140 07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2525063
ND	0.0250	1	06/18/25	06/19/25	
ND	0.0250	1	06/18/25	06/19/25	
ND	0.0250	1	06/18/25	06/19/25	
ND	0.0250	1	06/18/25	06/19/25	
ND	0.0500	1	06/18/25	06/19/25	
ND	0.0250	1	06/18/25	06/19/25	
	96.2 %	70-130	06/18/25	06/19/25	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2525063
ND	20.0	1	06/18/25	06/19/25	
	85.4 %	70-130	06/18/25	06/19/25	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2525075
ND	25.0	1	06/19/25	06/20/25	
ND	50.0	1	06/19/25	06/20/25	
	111 %	61-141	06/19/25	06/20/25	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2525071
ND	20.0	1	06/18/25	06/18/25	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 85.4 % mg/kg ND 25.0 ND 50.0 III % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Analy ND 20.0 1 85.4 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 111 % 61-141 61-141 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0250 1 06/18/25 ND 0.0500 1 06/18/25 ND 0.0250 1 06/18/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 mg/kg mg/kg Analyst: NV ND 25.4 % 70-130 06/18/25 mg/kg mg/kg Analyst: NV ND 25.0 1 06/19/25 ND 50.0 1 06/19/25 ND 50.0 1 06/19/25 mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/18/25 06/19/25 ND 0.0250 1 06/18/25 06/19/25 ND 0.0250 1 06/18/25 06/19/25 ND 0.0500 1 06/18/25 06/19/25 ND 0.0250 1 06/18/25 06/19/25 ND 0.0250 1 06/18/25 06/19/25 MD 0.0250 1 06/18/25 06/19/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 06/19/25 mg/kg mg/kg Analyst: BA ND 20.0 1 06/18/25 06/19/25 mg/kg mg/kg Analyst: NV ND 25.0 1 06/19/25 06/20/25 ND 50.0 1 06/19/25 06/20/25 ND 50.0



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	6/24/2025 8:59:34AM

FS16-0.5' E506146-08

		Reporting	_			
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	Analy	vst: 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	Analy	vst: 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	Analy	vst: DT		Batch: 2525071
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	6/24/2025 8:59:34AM

FS20-0.5' E506146-09

		E300140-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analys	st: 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	
Foluene	ND	0.0250	1	06/18/25	06/19/25	
o-Xylene	ND	0.0250	1	06/18/25	06/19/25	
o,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		100 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2525063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.2 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: 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		105 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2525071
Chloride	ND	20.0	1	06/18/25	06/18/25	



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	6/24/2025 8:59:34AM

FS65-0.5' E506146-10

		E300140-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Frepareu	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	rg 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		97.5 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2525063
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.3 %	70-130	06/18/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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		108 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2525071
Chloride	ND	20.0	1	06/18/25	06/18/25	



QC Summary Data

Matador Resources, LLC. Dagger Lake South TB Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 6/24/2025 8:59:34AM **Volatile Organics by EPA 8021B** Analyst: BA RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2525063-BLK1) Prepared: 06/18/25 Analyzed: 06/18/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.79 8.00 97.4 70-130 LCS (2525063-BS1) Prepared: 06/18/25 Analyzed: 06/18/25 4.54 5.00 90.7 70-130 0.0250 Benzene Ethylbenzene 4.54 0.0250 5.00 90.9 70-130 4.59 91.8 70-130 0.0250 5.00 Toluene 91.2 70-130 o-Xylene 4.56 0.0250 5.00 9.15 0.0500 10.0 91.5 70-130 p,m-Xylene 91.4 70-130 13.7 0.0250 15.0 Total Xylenes 70-130 8.00 95.2 Surrogate: 4-Bromochlorobenzene-PID 7.62

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-Bromochlorohenzene-PID	7.81		8.00		97.6	70-130				

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/24/20258:59:34AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6/2	4/2025 8:59:34AM
	Non	halogenated		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: 0	6/18/25 Anal	yzed: 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: 0	6/18/25 Anal	yzed: 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: 0	6/18/25 Anal	yzed: 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: 0	6/18/25 Anal	yzed: 06/18/25
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.5	70-130	1.17	20	

8.00

7.33

91.7

70-130

QC Summary Data

Matador Resources, LLC.Project Name:Dagger Lake South TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/24/20258:59:34AM

Dallas 1X, /5240		Project Manage	r: As	sniey Gioveng	go				6/24/2025 8:59:54AN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525075-BLK1)							Prepared: 0	6/19/25 A	nalyzed: 06/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.0		50.0		97.9	61-141			
LCS (2525075-BS1)							Prepared: 0	6/19/25 A	nalyzed: 06/20/25
Diesel Range Organics (C10-C28)	246	25.0	250		98.3	66-144			
urrogate: n-Nonane	48.9		50.0		97.8	61-141			
Matrix Spike (2525075-MS1)				Source:	E506146-0	08	Prepared: 0	6/19/25 A	nalyzed: 06/20/25
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156			
urrogate: n-Nonane	52.6		50.0		105	61-141			
Matrix Spike Dup (2525075-MSD1)				Source:	E506146-	08	Prepared: 0	6/19/25 A	nalyzed: 06/20/25
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	2.74	20	
urrogate: n-Nonane	53.5		50.0		107	61-141			

Matrix Spike Dup (2525071-MSD1)

Chloride

1780

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: 2	Dagger Lake So 3003-0002 Ashley Gioveng				6	Reported: 5/24/2025 8:59:34AM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2525071-BLK1)							Prepared: 0	6/18/25 An	alyzed: 06/18/25
Chloride LCS (2525071-BS1)	ND	20.0					Prepared: 0	6/18/25 An	alyzed: 06/18/25
Chloride	254	20.0	250		102	90-110	1		,
Matrix Spike (2525071-MS1)				Source:	E506144-	04	Prepared: 0	6/18/25 An	alyzed: 06/18/25
Chloride	2120	20.0	250	2230	NR	80-120			M4

250

20.0

Source: E506144-04

NR

80-120

17.2

2230

QC Summary Report Comment:

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



Prepared: 06/18/25 Analyzed: 06/18/25

20

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 Cus	toc	V
--------------	-----	---

	Clie	nt Inform	nation			Invoice Infor	mation				L	ab Us	e On	ly				TA	AT .		State	e
Client: N	1atador Prod	uction Co	ompany		C	ompany: Ensolum LLC			Lal	b WO)#		Job	Num	ber .	2	1D	2D	3D St	MM E	COUT	TX
Project: I	Dagger Lake S	South TB			A	ddress: 3122 National	Parks Hwy		_ F	50	0141	0	Job 230	n3.	000	2			X	X	7 - 1 - 1	
Project N	1anager: Asl	lev Giov	engo		l c	ity, State, Zip: Carlsbad	NM, 88220)					PIC/-									
	3122 Nation					none: 575-988-0055							Ana	lysis	and	Met	hod			E	PA Progra	m
	e, Zip: Carls					mail: agiovengo@ens	solum com				7									SDWA	CWA	RCRA
Phone: 575-988-0055 Miscellaneous:			olulli.com													25/16/0						
	giovengo@e		om		1,4,1	occinaricous.				L.	10									Complian	ce Y	or N
Emain a	1010.1400	1501411110	-						_	8015	8015			0			S			PWSID #		0, 1,
				Samp	le Informat	ion				DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			771010 11	-	
Time	Louisia	A Service	No. of			Ex. (10 mg	1	e a	Lab	J &	/DR	(by	by	ride	00	100	481				Remarks	
Sampled	Date Sampled	Matrix	Containers			Sample ID		Field	Lab Numbe	er S	GRO	BTE	VOC	Chlo	BGD	TCEC	RCR					
10:18	6/16/2025	S	1			FS08-0.5'									X					1.5		
10:21	6/16/2025	S	1			FS09-0.5'			2						Х					1.4		
10:25	6/16/2025	S	1			FS11-0.5'			3						Х					2.5		
10:28	6/16/2025	S	1			FS12-0.5'			4						х					17		
10:31	6/16/2025	S	1			FS13-0.5'			5						х					1.0		
11:29	6/16/2025	S	1	FS14-0.5'				10						х					1.2			
13:33	6/16/2025	S	1			FS15-0.5'			7						х					1.4		
10:42	6/16/2025	S	1			FS16-0.5'			8	+					Х					27		
10:45	6/16/2025	S	1			FS20-0.5'			G						х					3.2)	
		3	1						7						^					2,5	4 -	
13:35	6/16/2025	S	1			FS65-0.5'			10						X					3.1		
Addition	al Instructio	ns: Plea	se CC: cbu	rton@en	solum.com,	agiovengo@ensolum.c	com, chamil	ton@	ensolu	um.cc	m, ie	strell	a@e	nsou	lm.c	om, l	osim	mons	@enso	um.com,		
igonzale	z@ensolum.	com. bm	oir@ensol	um.com.	oaderinto@	ensolum.com	M. G. P. STE			****	0,000											
		validity and	authenticity of	of this sample	. I am aware th	at tampering with or intentional	lly mislabeling th	e samp	le locatio	on, date	or time	of col	lection	is con	sidered	fraud	and m	nay be (grounds fo	legal action.		
- 10.01	IE ; AK																					
Relinquish	ed by: (Signatur	e)	Date Le/	17/25	7:11	Received by: (Signature)	nzales	Date	7.25	5 Tim	e 711									ust be received g temp above 0	Control Street	
	ed by: (Signatur	e) made	Date L	725	Time	Received by: (Signature)	mede	Date	17-25	Tim	e 73e				Rece	eived	on i	ce:	Lab L	Jse Only		
Relinquish	ed by: (Signatur		Date		Time	Reveived by: (Signature)	, /	Date / O.	18.2	Tim	m					W.	20.00	2211			TO	
Relinquish	ed by: (Signatur	e)	Date	7-25	2245 Time	Received by: (Signature)	w	Date	100	O /	e				<u>T1</u>	Ŧ		-	<u>T2</u>	-	<u>T3</u>	
													1		AVG	Ten	p°C					- 1
	rix: S - Soil, Sd - S								iner Ty			_		lastic,	ag -	ambe	r glas	SS, V -				
Sales and the sales of the sale	A STATE OF THE PARTY OF THE PAR					arrangements are made. Haz						C - S - S - S -	osed	of at t	he clie	nt ex	pense	. The r	eport for	the analysis	of the above	samples is
applicable	only to those sa	imples rece	eived by the I	aboratory w	ith this COC. T	he liability of the laboratory i	is limited to the	e amoi	unt paid	for on	the re	port.										



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

envirotech

envirotech Inc.

Printed: 6/18/2025 8:38:23AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	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:	agiovengo@ensolum.com	Due Date:	06/24/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	all samples received within holding time?	4 6 11	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucss:				Comment	ts/Resolution
Sample '	Turn Around Time (TAT)				<u> </u>	
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
-	he sample received on ice?					
12. was u	Note: Thermal preservation is not required, if samples a	re received within	Yes			
	15 minutes of sampling					
13. See 0	COC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded	in comments.		
Sample	<u>Container</u>					
14. Are a	iqueous VOC samples present?		No			
15. Are \	VOC samples collected in VOA Vials?		NA			
16. Is the	e 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 1	non-VOC samples collected in the correct containers	?	Yes			
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes			
Field La	<u>bel</u>					
20. Were	field sample labels filled out with the minimum inf	ormation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation the COC or field lebels indicate the secondar years of	magamyad?	NI-			
	the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?	ata1a9	NA			
	o filtration required and/or requested for dissolved m	ictais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed'?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborate	-	No			
29. Was	a subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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.	Project Name:	Dagger Lake South TB	Danastadi
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	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.



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	6/24/2025 10:19:49AM

FS22-0.5' E506157-01

		E300137-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: RKS		Batch: 2525084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		117 %	61-141	06/19/25	06/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2525082
Chloride	30.1	20.0	1	06/19/25	06/19/25	



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	6/24/2025 10:19:49AM

FS25-0.5' E506157-02

		E300137-02				
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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		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	
Surrogate: n-Nonane		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	



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	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	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2525084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		114 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2525082
Chloride	ND	20.0	1	06/19/25	06/19/25	



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	6/24/2025 10:19:49AM

FS27-0.5' E506157-04

	1200137 04				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: RKS		Batch: 2525084
ND	0.0250	1	06/19/25	06/19/25	
ND	0.0250	1	06/19/25	06/19/25	
ND	0.0250	1	06/19/25	06/19/25	
ND	0.0250	1	06/19/25	06/19/25	
ND	0.0500	1	06/19/25	06/19/25	
ND	0.0250	1	06/19/25	06/19/25	
	103 %	70-130	06/19/25	06/19/25	
mg/kg	mg/kg	Analy	yst: RKS		Batch: 2525084
ND	20.0	1	06/19/25	06/19/25	
	103 %	70-130	06/19/25	06/19/25	
mg/kg	mg/kg	Analy	yst: KH		Batch: 2525077
ND	25.0	1	06/19/25	06/21/25	
ND	50.0	1	06/19/25	06/21/25	
	115 %	61-141	06/19/25	06/21/25	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2525082
ND	20.0	1	06/19/25	06/19/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 20.0250 MD 20.0 103 % mg/kg MB/kg mg/kg ND 25.0 ND 50.0 115 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 103 % 70-130 mg/kg mg/kg Analy ND 20.0 1 103 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 115 % 61-141 61-141 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0500 1 06/19/25 ND 0.0250 1 06/19/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 06/19/25 mg/kg mg/kg Analyst: KH ND 25.0 1 06/19/25 ND 50.0 1 06/19/25 ND 50.0 1 06/19/25 ND 50.0 1 06/19/25 ND 50.0 1 06/19/25 mg/kg mg/kg Analyst: JM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 06/19/25 06/19/25 ND 0.0250 1 06/19/25 06/19/25 ND 0.0250 1 06/19/25 06/19/25 ND 0.0500 1 06/19/25 06/19/25 ND 0.0250 1 06/19/25 06/19/25 ND 0.0250 1 06/19/25 06/19/25 ND 0.0250 1 06/19/25 06/19/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 06/19/25 06/19/25 mg/kg mg/kg Analyst: KH ND 25.0 1 06/19/25 06/21/25 ND 25.0 1 06/19/25 06/21/25 ND 50.0 1 06/19/25 06/21/25 ND 50.0 1 06/19/25 06/21/25 <



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	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	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2525084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		108 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2525082
Chloride	ND	20.0	1	06/19/25	06/19/25	·



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	6/24/2025 10:19:49AM

FS30-0.5' E506157-06

	1200137 00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: RKS		Batch: 2525084
ND	0.0250	1	06/19/25	06/19/25	
ND	0.0250	1	06/19/25	06/19/25	
ND	0.0250	1	06/19/25	06/19/25	
ND	0.0250	1	06/19/25	06/19/25	
ND	0.0500	1	06/19/25	06/19/25	
ND	0.0250	1	06/19/25	06/19/25	
	100 %	70-130	06/19/25	06/19/25	
mg/kg	mg/kg	Analy	yst: RKS		Batch: 2525084
ND	20.0	1	06/19/25	06/19/25	
	101 %	70-130	06/19/25	06/19/25	
mg/kg	mg/kg	Analy	yst: KH		Batch: 2525077
ND	25.0	1	06/19/25	06/21/25	
ND	50.0	1	06/19/25	06/21/25	
	110 %	61-141	06/19/25	06/21/25	
mg/kg	mg/kg	Analy	yst: JM		Batch: 2525082
ND	20.0	1	06/19/25	06/19/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting Mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I00 % mg/kg Mg/kg mg/kg ND 20.0 I01 % mg/kg ND 25.0 ND 50.0 I10 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 IO0% 70-130 mg/kg mg/kg Analy ND 20.0 1 IO1% 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 IO0% 61-141 1 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: RKS ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0500 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 mg/kg Malyst: RKS ND 20.0 1 06/19/25 mg/kg Malyst: KH ND 20.0 1 06/19/25 mg/kg Mg/kg Analyst: KH ND 25.0 1 06/19/25 ND 50.0 1 06/19/25 ND 50.0 1 06/19/25 mg/kg mg/kg Analyst: JM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 06/19/25 06/19/25 ND 0.0250 1 06/19/25 06/19/25 ND 0.0250 1 06/19/25 06/19/25 ND 0.0500 1 06/19/25 06/19/25 ND 0.0250 1 06/19/25 06/19/25 ND 0.0250 1 06/19/25 06/19/25 ND 0.0250 1 06/19/25 06/19/25 ND 70-130 06/19/25 06/19/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 06/19/25 06/19/25 mg/kg mg/kg Analyst: KH ND 25.0 1 06/19/25 06/21/25 ND 50.0 1 06/19/25 06/21/25 ND 50.0 1 06/19/25 0



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	6/24/2025 10:19:49AM

FS33-0.5' E506157-07

		E300137-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				•	,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anai	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2525084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130	06/19/25	06/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		112 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: JM		Batch: 2525082
Chloride	41.2	20.0	1	06/19/25	06/19/25	·



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	6/24/2025 10:19:49AM

FS34-0.5' E506157-08

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2525084
ND	0.0250	1	06/19/25	06/20/25	
ND	0.0250	1	06/19/25	06/20/25	
ND	0.0250	1	06/19/25	06/20/25	
ND	0.0250	1	06/19/25	06/20/25	
ND	0.0500	1	06/19/25	06/20/25	
ND	0.0250	1	06/19/25	06/20/25	
	102 %	70-130	06/19/25	06/20/25	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2525084
ND	20.0	1	06/19/25	06/20/25	
	103 %	70-130	06/19/25	06/20/25	
mg/kg	mg/kg	Anal	yst: KH		Batch: 2525077
ND	25.0	1	06/19/25	06/21/25	
ND	50.0	1	06/19/25	06/21/25	
	115 %	61-141	06/19/25	06/21/25	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2525082
20.6	20.0	1	06/19/25	06/19/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ID2 % mg/kg mg/kg mg/kg ND 20.0 I03 % mg/kg ND 25.0 ND 50.0 I15 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 102 % 70-130 mg/kg mg/kg Anal ND 20.0 1 103 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 115 % 61-141 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0500 1 06/19/25 ND 0.0250 1 06/19/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 06/19/25 mg/kg mg/kg Analyst: KH ND 25.0 1 06/19/25 ND 50.0 1 06/19/25 ND 50.0 1 06/19/25 ND 50.0 1 06/19/25 ND 50.0 1 06/19/25 mg/kg mg/kg Analyst: JM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 06/19/25 06/20/25 ND 0.0250 1 06/19/25 06/20/25 ND 0.0250 1 06/19/25 06/20/25 ND 0.0500 1 06/19/25 06/20/25 ND 0.0250 1 06/19/25 06/20/25 ND 0.0250 1 06/19/25 06/20/25 ND 0.0250 1 06/19/25 06/20/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 06/19/25 06/20/25 mg/kg mg/kg Analyst: KH ND 25.0 1 06/19/25 06/21/25 ND 25.0 1 06/19/25 06/21/25 ND 50.0 1 06/19/25 06/21/25 ND 50.0 1 06/19/25 06/21/25 <



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	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	Analy	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2525084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Surrogate: n-Nonane		112 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2525082
Chloride	ND	20.0	1	06/19/25	06/19/25	



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	6/24/2025 10:19:49AM

FS36-0.5' E506157-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2525084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		113 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: JM		Batch: 2525082
Chloride	ND	20.0	1	06/19/25	06/19/25	



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	6/24/2025 10:19:49AM

FS37-0.5' E506157-11

		E300137-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Foluene	ND	0.0250	1	06/19/25	06/20/25	
o-Xylene	ND	0.0250	1	06/19/25	06/20/25	
o,m-Xylene	ND	0.0500	1	06/19/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/19/25	06/20/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2525084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	06/19/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		109 %	61-141	06/19/25	06/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2525082
Chloride	20.2	20.0	1	06/19/25	06/19/25	



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	6/24/2025 10:19:49AM

FS38-0.5'

		E506157-12					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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		
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	06/19/25	06/20/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	06/19/25	06/20/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: 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		
Surrogate: n-Nonane		112 %	61-141	06/19/25	06/21/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: JM		Batch: 2525082	
Chloride	26.5	20.0	1	06/19/25	06/19/25		



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	6/24/2025 10:19:49AM

FS40-0.5'

E506157-13							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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		
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	06/19/25	06/20/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2525084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/19/25	06/20/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	06/19/25	06/20/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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		
Surrogate: n-Nonane		112 %	61-141	06/19/25	06/21/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: JM		Batch: 2525082	
Chloride	ND	20.0	1	06/19/25	06/19/25		



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	6/24/2025 10:19:49AM

FS42-0.5' E506157-14

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2525084
ND	0.0250	1	06/19/25	06/20/25	
ND	0.0250	1	06/19/25	06/20/25	
ND	0.0250	1	06/19/25	06/20/25	
ND	0.0250	1	06/19/25	06/20/25	
ND	0.0500	1	06/19/25	06/20/25	
ND	0.0250	1	06/19/25	06/20/25	
	98.2 %	70-130	06/19/25	06/20/25	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2525084
ND	20.0	1	06/19/25	06/20/25	
	105 %	70-130	06/19/25	06/20/25	
mg/kg	mg/kg	Anal	yst: KH		Batch: 2525077
ND	25.0	1	06/19/25	06/21/25	
ND	50.0	1	06/19/25	06/21/25	
	115 %	61-141	06/19/25	06/21/25	
mg/kg	mg/kg	Anal	yst: JM		Batch: 2525082
29.4	20.0	1	06/19/25	06/19/25	•
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 105 % mg/kg MD 25.0 ND 50.0 115 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 98.2 % 70-130 mg/kg mg/kg Anal ND 20.0 1 105 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 115 % 61-141 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0500 1 06/19/25 ND 0.0250 1 06/19/25 ND 0.0250 1 06/19/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 06/19/25 mg/kg mg/kg Analyst: KH ND 25.0 1 06/19/25 ND 50.0 1 06/19/25 ND 50.0 1 06/19/25 ND 50.0 1 06/19/25 mg/kg mg/kg Analyst: KH	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 06/19/25 06/20/25 ND 0.0250 1 06/19/25 06/20/25 ND 0.0250 1 06/19/25 06/20/25 ND 0.0500 1 06/19/25 06/20/25 ND 0.0250 1 06/19/25 06/20/25 ND 0.0250 1 06/19/25 06/20/25 MD 0.0250 1 06/19/25 06/20/25 mg/kg mg/kg Analyst: RKS ND 20.0 1 06/19/25 06/20/25 mg/kg mg/kg Analyst: KH ND 25.0 1 06/19/25 06/21/25 ND 50.0 1 06/19/25 06/21/25 ND 50.0 1 06/19/25 06/21/25 ND 50.0 1 06/19/25 </td



QC Summary Data

	V	
Project Name:	Dagger Lake South TB	Reported:
Project Number:	23003-0002	•
Project Manager:	Ashley Giovengo	6/24/2025 10:19:49AM
Volatile Orga	nics by EPA 8021R	Analyst: RKS
	Project Number: Project Manager:	Project Number: 23003-0002

Dallas TX, 75240		Project Number: Project Manager:		3003-0002 Ishley Giovengo	,			6/2	24/2025 10:19:49AM
		Volatile Or	ganics	by EPA 8021	В				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525084-BLK1)							Prepared: 0	6/19/25 Ana	lyzed: 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: 0	6/19/25 Ana	lyzed: 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: E	506155-0	04	Prepared: 0	6/19/25 Ana	lyzed: 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: E	506155-	04	Prepared: 0	6/19/25 Ana	lyzed: 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

Dagger Lake South TB Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Ashley Giovengo 6/24/2025 10·19·49AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			6/24	/2025 10:19:49AN
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		A	nalyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525084-BLK1)							Prepared: 0	6/19/25 Analy	zed: 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: 0	6/19/25 Analy	zed: 06/19/25
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.0	70-130			
urrogate: 1-Chloro-4-fluorobenzene-FID	8.39		8.00		105	70-130			
Matrix Spike (2525084-MS2)				Source:	E506155-	04	Prepared: 0	6/19/25 Analy	zed: 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: 0	6/19/25 Analy	zed: 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 TBReported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo6/24/2025 10:19:49AM

Bullus 171, 732 10		Troject Manage	. 710	iney Groveng	-				
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2525077-BLK1)							Prepared: 0	6/19/25 Anal	yzed: 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: 0	6/19/25 Anal	yzed: 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: 0	6/19/25 Anal	yzed: 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: 0	6/19/25 Anal	yzed: 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			



Matrix Spike Dup (2525082-MSD1)

Chloride

282

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number Project Manager	Dagger Lake So 23003-0002 Ashley Gioveng			(Reported: 5/24/2025 10:19:49AM		
		Anions	by EPA	300.0/9056	4				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: 0	6/19/25 Aı	nalyzed: 06/19/25
Chloride	ND	20.0							
LCS (2525082-BS1)							Prepared: 0	6/19/25 Aı	nalyzed: 06/19/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2525082-MS1)				Source:	E506157-	07	Prepared: 0	6/19/25 Aı	nalyzed: 06/19/25
Chloride	284	20.0	250	41.2	96.9	80-120			

250

20.0

Source: E506157-07

96.5

80-120

0.399

41.2

QC Summary Report Comment:

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



Prepared: 06/19/25 Analyzed: 06/19/25

20

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.



Relinquished by: (Signature)

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

	70
	2
	90
	6
	S
	21
	9
ш	03
w	
и.	90
_	90
	0

					Chai	in of Cust	ody												Р	age _	o
	Clie	nt Inforn	nation		Invoice Informat	tion				Lab	Use	Only	,		1	Т	AT		S	tate	
Project: I	Matador Prod Dagger Lake S Manager: Ash	uction Co South TB	ompany		Company: Ensolum LLC Address: 3122 National Parl City, State, Zip: Carlsbad NM	ks Hwy		ab Wo	O#		IJ	ob N	umb	er 5002	1		3D St	d N	MM CO	UT T	X
	3122 Nation				Phone: 575-988-0055	17 00220						Anal	ysis a	nd M	etho	d			EPA Pro	gram	
	e, Zip: Carls				Email: agiovengo@ensolu	m.com			1									SDW	A CW	AF	RCRA
	75-988-0055				1iscellaneous:					- 10							1 1			14	
Email: a	giovengo@er	nsolum.c	om					2108	CTO	8015					١.	,		Compl		YO	r N
-				Sample Informa	ation		-	- 3	À I	yd C	1700	260	300.	MN X	L tok		1 1	FVVSIL	7#		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sumple inform	Sample ID	Field	Lab Numb	oer oer	no/our	GRO/DRO by	61EA UY 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	Sicretal o Adol				Rema	irks	
13:38	6/17/2025	S	1		FS22-0.5'									х				1.7			
13:45	6/17/2025	S	1		FS25-0.5'		2							х				1.3			
13:41	6/17/2025	S	1		FS26-0.5'		3							х				1.2			
13:30	6/17/2025	S	1		FS27-0.5'		4							х				1.7			
9:24	6/17/2025	S	1		FS28-0.5		5							х				2.4	1		
9:19	6/17/2025	S	1		FS30-0.5'		0							х				1.8			
9:40	6/17/2025	S	1		FS33-0.5'		7							х				1.6			
13:27	6/17/2025	S	1		FS34-0.5'		8							х				1.2			
9:27	6/17/2025	S	1		FS35-0.5'		9							х				2.1			
9:30	6/17/2025	s	1		FS36-0.5'		10							х				2.3			
igonzale	mensolum.	com hm	oir@ensoli	ım com gaderinto	n, agiovengo@ensolum.com @ensolum.com that tampering with or intentionally mix																
Sampled by		e validity an	u authenticity o	i tilis sample. Tam aware	nat tampering with or intentionally init	stabeting the sai	iipie ioca	tion, dat	e or t	time or	conce	LIOI I	CONST	acrea ire	uu un	a may be	. Brounds in	or regar acti	211.		
	ed by: (Signator	2	Date 6/1	8125 Time 7:11	Received by: (Signature) Michelle Gonz	ales bate	18-2		me 07	11					4000				ived on ice the ve 0 but less th		
Mic	ed by: (Signatur	male	Date	8-25 Time	Received by: (Signature) Received by: (Signature) Received by: (Signature)	rafey 6-	18-2	5		45			f	Receiv	ed o	n ice:	Lab Y/	Use Only N	r.		
4/1/10/	ed by: (Signatur	7' //	Julia		1	10	19 7	-	ne In	7							-0.1		1 221		

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.



12.4	Clie	nt Inforn	nation				tion					Lab l	Jse O	nly		TAT			T		Stat	te		
	Matador Prod							solum LLC				ab W				Num			1D	2D	3D Sto	NN.	/ CO UT	TX
Project: I	Dagger Lake S	South TB				Addres	ss: 3122	National Park	ks Hwy		_ E	50	1010	57	23	003	$\cdot \omega$	202 X				X		
Project N	Aanager: Ash	nley Giov	engo			City, St	tate, Zip:	: Carlsbad NM	1,88220															
Address:	3122 Nation	nal Parks	Hwy			Phone:	: 575-9			_				An	alysis	and	Met	hod				EPA Progr	am	
City, Stat	e, Zip: Carlsl	bad NM,	88220			Email:	agiove	engo@ensolur	m.com						T							SDWA	CWA	RCRA
Phone: !	575-988-005	5				Miscellaneous:																		
Email: a	giovengo@e	nsolum.c	om										215	9								Complia	_	or N
													34 80	27 27	0	0.0	Σ	×	tals			PWSID #	#	
				Sam	ple Infor	mation				-			S S	80 80	/826	le 30	Z	- 500	Me					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sam	nple ID			Field	Lab Numb	er	DRO/ORO by 8015	GRU/ DRU BY 8015 BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	Ŝ
9:32	6/17/2025	S	1			FS3	37-0.5'				11						х					3.5		
13:48	6/17/2025	S	1			FS3	88-0.5'				12						х					3.0	7	
13:55	6/17/2025	S	1			FS40-0.5'					13						х					3.1		
13:57	6/17/2025	S	1			FS4	12-0.5'				14						х					3.7		
igonzale I, (field sam	z@ensolum.	.com. bm	noir@ensol	lum.com.	oaderin	to@ensol	lum.com	ensolum.com, 1 or intentionally mis																
	ed by: (Signatur	e	Date 6/	18/25	Time 7	Recr	ceived by: (S	Signature)		Date	272		07	11									d on ice the day 0 but less than	
Mic		onsal	Date	18.25	Time	Ree	etyed by: (S	(Signature)		Date	5-25	TI	ime 164				Rec	eived	d on i	ce: (Y / N	se Only		
1/Let	1 1 1	romale	6-	18.25	2300) (dit	dy The	w	Date	19.29	5	700)			<u>T1</u>			_ (T2		<u>T3</u>	
Relinquish	ed by: (Signatur	re) /	Date		Time	Rece	ceived by: (S	Signature)					ime						np °C					
	trix: S - Soil, Sd - S					2 2					ainer Ty													
								re made. Hazardo laboratory is lim								of at t	he cli	ent ex	pense	. The r	eport for	the analysis	of the abov	re samples is



envirotech envirotech envirotech environ envir

envirotech Inc.

Printed: 6/19/2025 7:50:30AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	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:	agiovengo@ensolum.com	Due Date:	06/25/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Il samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss	•			Comment	ts/Resolution
Sample '	Furn Around Time (TAT)	ion.				
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
-	ne sample received on ice?					
12. was u	Note: Thermal preservation is not required, if samples a	re received within	Yes			
	15 minutes of sampling					
13. See C	COC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded	in comments.		
Sample (Container_					
14. Are a	queous VOC samples present?		No			
15. Are \	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are n	on-VOC samples collected in the correct containers	s?	Yes			
19. Is the	appropriate volume/weight or number of sample contain	iners collected?	Yes			
Field La	<u>bel</u>					
20. Were	field sample labels filled out with the minimum inf	ormation:				
	ample ID?		Yes			
	Oate/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation the COC or field lebels indicate the secondary years a	magamyad9	NI-			
	the COC or field labels indicate the samples were p	oreserved?	No			
	ample(s) correctly preserved? filtration required and/or requested for dissolved m		NA			
		ictais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	, does the COC specify which phase(s) is to be anal	lyzed?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborate	-	No			
29. Was a	a subcontract laboratory specified by the client and	if so who?	NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					
1						
1						

Date

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



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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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 (con	tinuea)
----------------	---------

Q02011	orto (continuou)
Operator: MATADOR PRODUCTION COMPANY	OGRID: 228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	rafety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releating the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 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:
 OGRID:

 MATADOR PRODUCTION COMPANY
 228937

 One Lincoln Centre
 Action Number:

 Dallas, TX 75240
 505015

 Action Type:
 [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the 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		
Please answer all the questions ti	hat apply or are indicated. This information must be provided t	to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	monstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical	al extents of contamination been fully delineated	Yes
Was this release entirely c	ontained within a lined containment area	No
Soil Contamination Sampling	g: (Provide the highest observable value for each, in n	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI 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
	NMAC unless the site characterization report includes complete the selines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
On what estimated date wi	Il the remediation commence	06/03/2025
On what date will (or did) to	ne 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 surfa	ace area (in square feet) that will be reclaimed	28823
What is the estimated volu	me (in cubic yards) that will be reclaimed	477
What is the estimated surfa	ace area (in square feet) that will be remediated	3800
What is the estimated volu	me (in cubic yards) that will be remediated	141
These estimated dates and measu	rements are recognized to be the best guess or calculation at t	the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that propose	ed 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.

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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	505015
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

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

I hereby agree and sign off to the above statement

Name: Jason Touchet Title: EHS Field Rep

Email: jason.touchet@matadorresources.com

Date: 09/10/2025

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

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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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				
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.				
Requesting a remediation closure approval with this submission	Yes			
Have the lateral and vertical extents of contamination been fully delineated	Yes			
Was this release entirely contained within a lined containment area	No			
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes			
What was the total surface area (in square feet) remediated	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			

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

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

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:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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/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 505015

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	505015
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Cre	ated By		Condition Date
sc	wells	None	9/30/2025