

March 7, 2025

New Mexico Energy Minerals and Natural Resources Department New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re: Closure Request

Dagger State Unit 002

Incident Number nAPP2436643561

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 State Unit 002 (Site). The Site is located in Unit P, Section 31, Township 21 South, Range 33 East, in Lea County, New Mexico (32.4296775°, -103.6034647°) and is associated with oil and gas exploration and production operations on Private Land.

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil. Based on field observations, field screening activities, and soil sampling laboratory analytical results, Matadors submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2436643561.

### **BACKGROUND**

On December 31, 2024, a Blowout Preventer (BOP) nipple cracked during offset fracking, which resulted in the release of approximately 6 barrels (bbls) of crude oil onto an on-pad area approximately 13,493 square feet in size; 0 bbls of crude oil were recovered. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on December 31, 2024, and the release was subsequently assigned Incident Number nAPP2436643561.

#### 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). Results from the characterization desktop review are presented on the initial C-141 application subsection, Site Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, CP-1881, located approximately 0.47 miles south of the Site. The well had a reported depth to groundwater greater than 105 feet below ground surface (bgs) and a total depth of 105 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow

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Matador Production Company Dagger State Unit 002 Closure Request



surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower groundwater conditions. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash located approximately 4,066 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1. Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

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

### SITE ASSESMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On January 02, 2025, Ensolum personnel were onsite to conduct lateral and vertical delineation sampling activities. Four delineation soil samples (SS01 through SS04), and five borehole samples (BH01 through BH05) were collected from in and around the release extent at ground surface to assess the extent of release.

Ensolum personnel returned to the Site on January 22, 2025, to collect additional lateral delineation samples. Three delineation soil samples (SS01A through SS03A) were collected from around the release extent in order to define the lateral extents of the release.

Discrete delineation soil samples were collected from each borehole and field screened for chloride utilizing Hach® chloride QuanTab® test strips and for volatile organic compounds (VOCs) using a calibrated Honeywell® photoionization detector (PID). Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. The delineation soil sample locations are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix C.

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

Matador Production Company Dagger State Unit 002 Closure Request



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

Beginning on February 12, 2025, impacted and waste-containing soil was excavated from the on-pad spill area as indicated by visible staining, field screening activities, and laboratory analytical results from delineation soil samples. Excavation activities were performed using a bulldozer, front-end loader, and transport vehicles. To direct excavation activities, Ensolum personnel screened soil for chloride and for VOCs.

Following the removal of waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing at least 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS67) were collected from the floor of the excavation at depths ranging from 0 feet to 0.5 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 13,493 square feet. A total of approximately 273 cubic yards of waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at the Lea Land, LLC in Hobbs New Mexico.

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS04, collected around the release extent, indicated concentrations of TPH exceeded the reclamation requirement in sample location SS02 and exceeded the reclamation requirement for chloride in sample locations SS01 through SS03. All were in compliance with the Site Closure Criteria. Lateral delineation soil samples SS01A through SS03A and SS04 were all in compliance with the Site Closure Criteria and with the reclamation requirement at ground surface, successfully defining the lateral extents of the release. Laboratory analytical results for boreholes BH01 through BH05 indicated all COCs were in compliance with the Site Closure Criteria at ground surface and were in compliance with the Strictest Closure Criteria at 1-foot bgs.

Laboratory analytical results for excavation floor soil samples (FS01 through FS67) indicated all COC concentrations were in compliance with the Site Closure Criteria at depths ranging from 0 feet to 0.5 feet bgs. Laboratory analytical results for soil samples are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included as Appendix D.

## **CLOSURE REQUEST**

The release extent has been laterally defined to the strictest Closure Criteria per NMOCD Table I by delineation soil samples SS01A through SS003A and SS04, collected at ground surface, and vertically by boreholes BH01 through BH05, collected at depths between ground surface and 1-foot bgs. Excavation of the waste-containing soil was completed, and excavation floor samples FS01 through FS67, collected at depths ranging from ground surface to 0.5 feet bgs, were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date and a depth to groundwater greater than 101 feet bgs, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2436643561.

Matador Production Company Dagger State Unit 002 Closure Request



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

## Appendices:

Figure 1 Site Receptor Map

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

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

Appendix A Well Log and Record

Appendix B Lithologic / Soil Sampling Logs

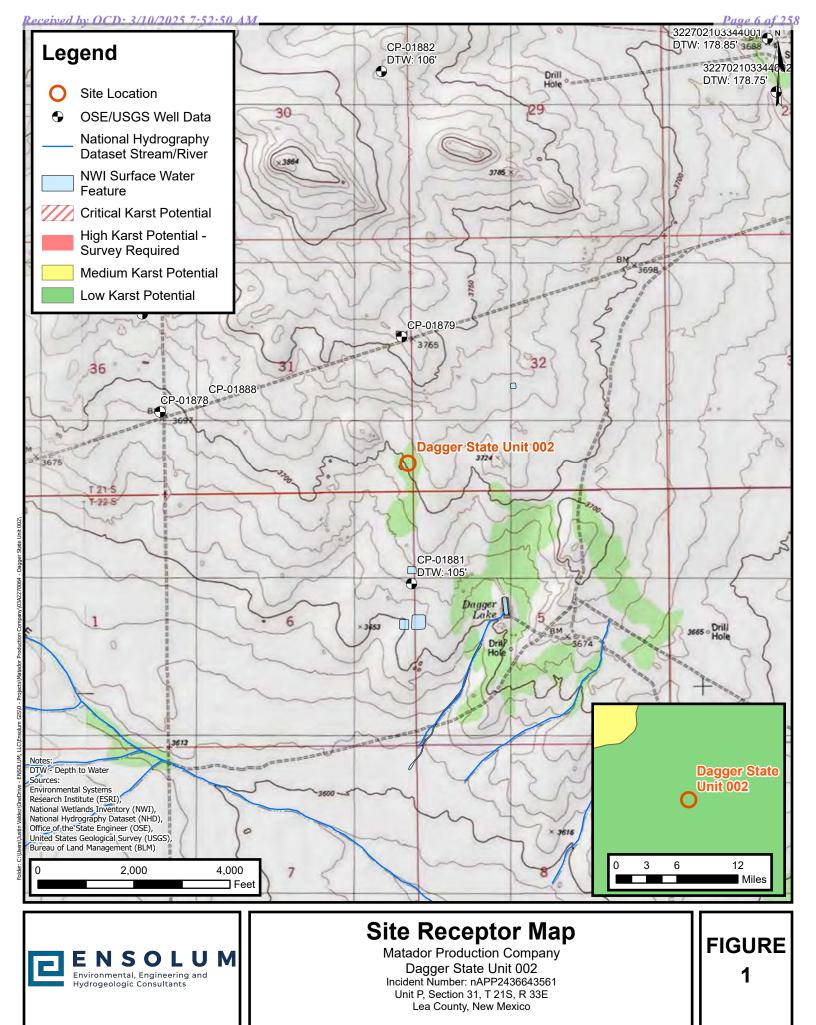
Appendix C Photographic Log

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

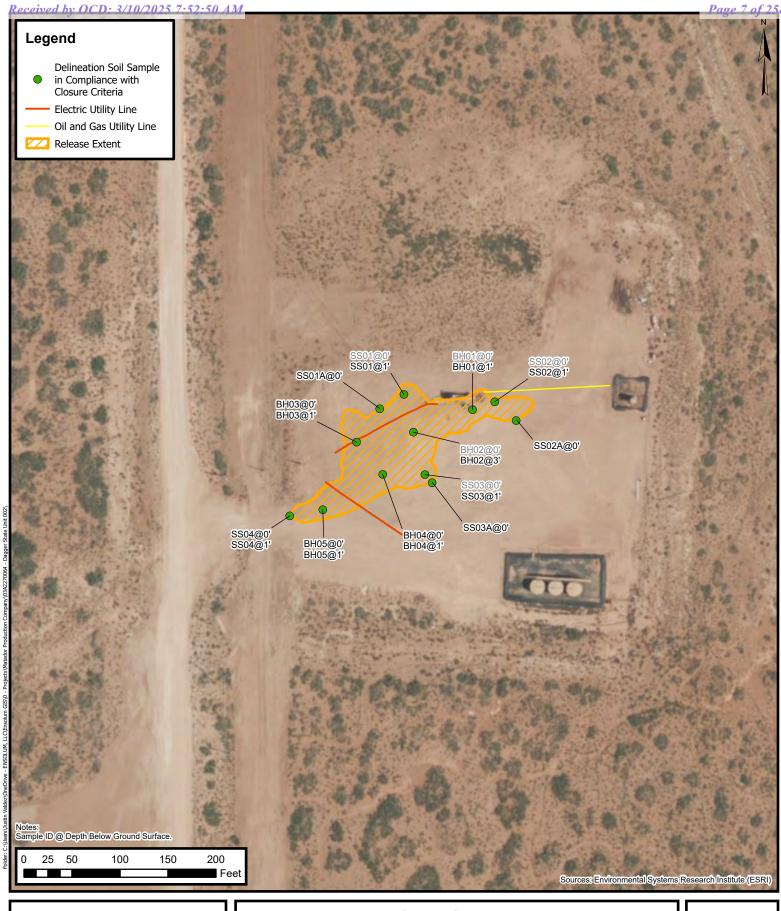
Appendix E NMOCD Notifications



**FIGURES** 



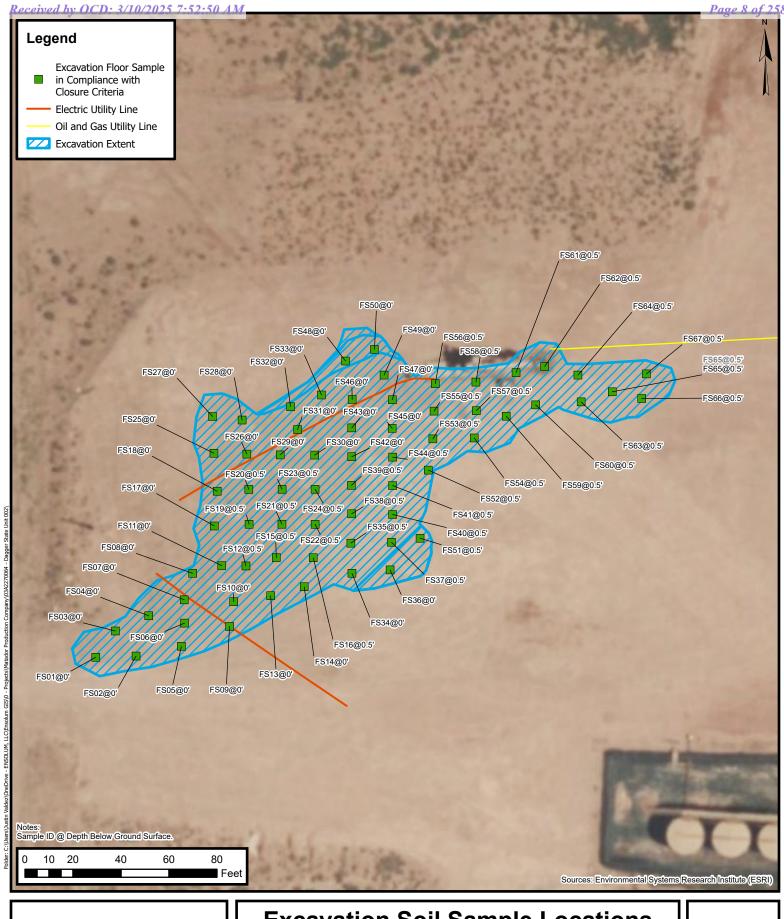
Released to Imaging: 4/1/2025 1:37:30 PM





# **Delineation Soil Sample Locations**

Matador Production Company Dagger State Unit 002 Incident Number: nAPP2436643561 Unit P, Section 31, T 21S, R 33E Lea County, New Mexico FIGURE 2





# **Excavation Soil Sample Locations**

Matador Production Company Dagger State Unit 002 Incident Number: nAPP2436643561 Unit P, Section 31, T 21S, R 33E Lea County, New Mexico FIGURE 3



**TABLES** 



# TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS**

Dagger State Unit 002 **Matador Production Company** 

	Lea County, New Mexico										
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000	
				Delin	eation Soil San	nples					
SS01	1/2/2025	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,040	
SS01	1/2/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	459	
SS01A	1/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.0	
SS02	1/2/2025	0	< 0.0250	< 0.0500	<20.0	969	876	969	1,845	3,160	
SS02	1/2/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	377	
SS02A	1/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	276	
SS03	1/2/2025	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,040	
SS03	1/2/2025	1	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84	
SS03A	1/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	160	
SS04	1/2/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81	
SS04	1/2/2025	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139	
BH01	1/2/2025	0	< 0.0250	< 0.0500	<20.0	161	174	161	335	5,130	
BH01	1/2/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	199	
BH02	1/2/2025	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,940	
BH02	1/2/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,150	
BH02	1/7/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	306	
BH03	1/2/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	174	
BH03	1/2/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103	
BH04	1/2/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104	
BH04	1/2/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	175	
BH05	1/2/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	68	
BH05	1/2/2025	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	342	

#### Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

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



## TABLE 2 **SOIL SAMPLE ANALYTICAL RESULTS** Dagger State Unit 002 **Matador Production Company**

	Matador Production Company Lea County, New Mexico											
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
	Excavation Floor Soil Samples											
FS01	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	96.7		
FS02	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	305		
FS03	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	185		
FS04	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	290		
FS05	2/14/2025	0	<0.0250	<0.0500	<20.0	52.4	<50.0	52.4	<50.0	619		
FS06	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	212		
FS07	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	205		
FS08	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.8		
FS09	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	390		
FS10	2/14/2025	0	<0.0250	<0.0500	<20.0	30.0	<50.0	30.0	<50.0	710		
FS11	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	315		
FS12	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148		
FS13	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	548		
FS14	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	338		
FS15	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	405		
FS16	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	466		
FS17	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	267		
FS18	2/14/2025	0	<0.0250	<0.0500	<20.0	198	<50.0	198	<50.0	1,090		
FS19	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	164		
FS20	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	138		
FS21	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	278		
FS22	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	217		
FS23	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	223		
FS24	2/12/2025	0.5	<0.0250	<0.0500	<20.0	164	<50.0	164	164	182		
FS25	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	666		
FS26	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	971		
FS27	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	674		
FS28	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	855		
FS29	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,900		
FS30	2/13/2025	0	<0.0250	<0.0500	<20.0	624	174	624	798	2,650		



## TABLE 2 **SOIL SAMPLE ANALYTICAL RESULTS** Dagger State Unit 002 **Matador Production Company**

				Lea	County, New Me	xico				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS31	2/13/2025	0	<0.0250	<0.0500	<20.0	101	273	101	374	3,130
FS32	2/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,690
FS33	2/13/2025	0	<0.0250	<0.0500	<20.0	210	419	210	629	4,920
FS34	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	212
FS35	2/12/2025	0.5	<0.0250	<0.0500	<20.0	65.7	163.0	65.7	228.7	447
FS36	2/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	345
FS37	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	243
FS38	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	204
FS39	2/12/2025	0.5	<0.0250	<0.0500	<20.0	100	<50.0	100	100	209
FS40	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	288
FS41	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	242
FS42	2/13/2025	0	<0.0250	<0.0500	<20.0	38.5	<50.0	38.5	38.5	1,140
FS43	2/13/2025	0	<0.0250	<0.0500	<20.0	185	340.0	185	525	5,420
FS44	2/12/2025	0.5	<0.0250	<0.0500	<20.0	38.9	<50.0	38.9	38.9	674
FS45	2/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,650
FS46	2/13/2025	0	<0.0250	<0.0500	<20.0	28.5	<50.0	28.5	28.5	3,310
FS47	2/14/2025	0	<0.0250	<0.0500	<20.0	35.2	<50.0	35.2	35.2	1,710
FS48	2/13/2025	0	<0.0250	<0.0500	<20.0	290	617.0	290	907.0	5,280
FS49	2/13/2025	0	<0.0250	<0.0500	<20.0	695	477.0	695	1,172.0	527
FS50	2/13/2025	0	<0.0250	<0.0500	<20.0	146	190.0	146	336.0	3,840
FS51	2/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	256
FS52	2/12/2025	0.5	<0.0250	<0.0500	<20.0	31.0	<50.0	31.0	31.0	329
FS53	2/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	311
FS54	2/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	450
FS55	2/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	552
FS56	2/13/2025	0.5	<0.0250	<0.0500	<20.0	206	108.0	206	314	180
FS57	2/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,260
FS58	2/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	183
FS59	2/13/2025	0.5	<0.0250	<0.0500	<20.0	349	<50.0	349	349	658
FS60	2/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	897



# TABLE 2

### **SOIL SAMPLE ANALYTICAL RESULTS**

Dagger State Unit 002 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					
FS61	2/13/2025	0.5	< 0.0250	<0.0500	<20.0	522	810.0	522	1,332	4,370	
FS62	2/14/2025	0.5	<0.0250	<0.0500	<20.0	108	116.0	108	224.0	923	
FS63	2/13/2025	0.5	<0.0250	<0.0500	<20.0	130	111.0	130	241	4,990	
FS64	2/13/2025	0.5	<0.0250	<0.0500	<20.0	561	654.0	561	1,215	7,360	
FS65	2/13/2025	0.5	< 0.0250	< 0.0500	<20.0	1,020	671	1,020	1,691	3,310	
FS65	2/28/2025	0.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,820	
FS66	2/13/2025	0.5	<0.0250	<0.0500	<20.0	40.8	<50.0	40.8	40.8	1,710	
FS67	2/13/2025	0.5	< 0.0250	<0.0500	<20.0	230	198.0	230	428	5,530	

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

Grey text represents samples that have been excavated

SCS - soil confirmation sample collected within the limits of the excavation

SP - stockpile soil sample collected as a three-part composite from the excavated soil



**APPENDIX A** 

Well Log and Record



								<del></del>					
ION	OSE POD NO. POD1 (TV	W-1)			WELL TAG ID NO. n/a			OSE FILE NO( CP-1881	S).				
LOCAT	WELL OWNE Advanced I	•	•			-		PHONE (OPTIONAL) 832.672.4700					
GENERAL AND WELL LOCATION		WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Stuit 950								STATE TX	77077	ZIP	
g	WELL		D	EGREES	GREES MINUTES SECONDS								
L A	LOCATION	N LA	TITUDE	32 25 22 <sub>N</sub>			ACCURACY	REQUIRED: ONE TEN	TH OF A	SECOND			
ER	(FROM GP	s) Lo	NGITUDE	103	36	12	W	• DATUM RE	QUIRED: WGS 84				
EN	DESCRIPTIO	<del></del>	NG WELL LOCATION TO	O STREET ADD	RESS AND COMMON	LANDMARK	S – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AV	AILABLE		
1.0	NE SE NE												
	LICENSE NO.		NAME OF LICENSEI						NAME OF WELL DRI				
	124	9			Jackie D. Atkins				Atkins Eng	ineering	g Associates, I	nc.	
	DRILLING ST		DRILLING ENDED		OMPLETED WELL (FI			LE DEPTH (FT)	DEPTH WATER FIRE		٠,		
	10/12/2	2021	10/12/2021	tempo	rary well materia	<u>' ]</u>		105		n/a			
Z	COMPLETED	WELL IS:	ARTESIAN	✓ DRY HO	LE SHALLO	W (UNCONFI	NED)		STATIC WATER LEV	EL IN CO		LL (FT)	
DI I	DRILLING FL	.UID:	_ AIR	MUD	ADDITIV	es – specify	<b>'</b> :			·			
2. DRILLING & CASING INFORMATION	DRILLING M	ETHOD:	ROTARY	П намме	R CABLE TO	oor [	ОТНЕ	R – SPECIFY:	Hollo	w Sten	n Auger		
F.	DEPTH (	feet bgl)	BORE HOLE	CASING	MATERIAL AND	/OR			CASING			I	
<u>ان</u>	FROM	то	DIAM		GRADE			ASING NECTION	INSIDE DIAM.		ING WALL ICKNESS	SLOT SIZE	
VISI			(inches)		each casing string, sections of screen)			TYPE ling diameter)	(inches)		(inches) (inches)		
C X	0	105	±6.5		Boring- HSA		<u>-</u>	-					
Ş.								·					
DRI													
7.										ļ	<del></del>		
				ļ									
								<u></u>					
				-									
									المعاور والمراجعة المعارضة والمعارضة والمعارض		2021 am9:	1.24	
			<u> </u>	<u> </u>					T	10.03.7	VUVI MMIL	1: 4-	
ر ا	DEPTH (		BORE HOLE DIAM. (inches)		IST ANNULAR SE VEL PACK SIZE-				AMOUNT (cubic feet)	1	METHO PLACEN		
RIA	FROM	ТО	DIAW. (menes)	GRA	VEL FACK SIZE-	KANGE B	INII	SKVAL	(cubic feet)		TEACEN		
VTE													
Z W				<u> </u>									
IV													
ANNULAR MATERIAL									! 				
3. AJ				-						$\neg +$			
FOP	OSE INTER	NAT TICE	<u>.</u> !	•			-	13/TD - 2	0 WELL RECORD	& I \u0	(Version 06/2	0/17)	
			(८८)		POD NO	) <u>.</u>	7	TRN 1		67	2.3.01.00/3		
	FILE NO. (P-188) POD NO.   TRN NO. (1996)  LOCATION 225. 33E. (L, 242) WELL TAG ID NO.   PAGE 1 OF 2												

PAGE 2 OF 2

WELL TAG ID NO.

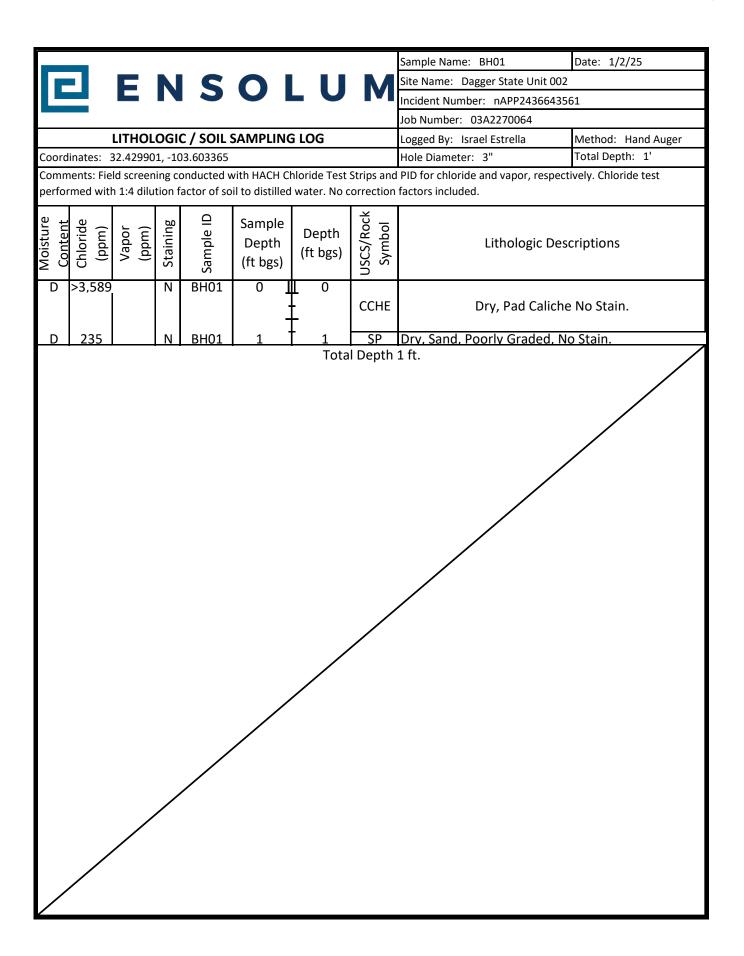
	DEPTH (1	feet bgl)	THICKNESS		OR AND TYPE OF MATERIA				WATER BEARING?	ESTIMATED YIELD FOR WATER-
	FROM	то	(feet)		E WATER-BEARING CAVITIE tach supplemental sheets to full				(YES/NO)	BEARING ZONES (gpm)
	0	14	14	Sa	Sand, fine-grained, poorly graded with Caliche, Brown					
	14	19	5	Ca	liche, consolidated with fin-grain	ned sand, Wi	nite/Tan	j	Y ✓N	
	19	24	5	Sand,	fine-grained, poorly graded with	Caliche, Rec	ldish Brown		Y ✓N	
	24	44	20	Sand	, fine-grained, poorly graded with	ı clay, Redd	lish Brown		y <b>√</b> n	
	44	64	20	Sar	nd, fine-grained, poorly graded w	ith clay, Br	own Tan		Y ✓N	
Ţ	64	105	41	S	Sand, fine-grained, poorly graded	with clay,	Brown		Y ✓N	
WEL									Y N	
OF									Y N	
.0G						<del> </del>			Y N	
IC.									Y N	
4. HYDROGEOLOGIC LOG OF WELL									Y N	
3EO									Y N	
RO									Y N	
HXD									Y N	
4.								T	Y N	
									Y N	
									Y N	
									Y N	
									Y N	
									Y N	
									Y N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-B	EARING STRATA:			TOTA	AL ESTIMATED	:
	PUM	P A	IR LIFT	BAILER	OTHER - SPECIFY:			WEL	L YIELD (gpm):	0.00
				<del>-</del>						
ISION	WELL TES	STAR	T TIME, END TI	ME, AND A TA	OF DATA COLLECTED DURI BLE SHOWING DISCHARGE	AND DRA	WDOWN OV	ER THI	E TESTING PERIO	D.
RVIS	MISCELLA	NEOUS INF	ORMATION: Te	emporary well	materials removed and the so	oil boring b	ackfilled usin	ng drill	cuttings from to	al depth to ten
UPEI			fe	et below grour	nd surface, then hydrated ben	tonite chips	from ten fee	t belo	w ground surface	to surface.
IG SI								ÜSE	OTT NOV 2 202	1 4 <b>m</b> 9:14
test; rig superv										
TES	PRINT NAM	Æ(S) OF DI	RILL RIG SUPER	RVISOR(S) TH	AT PROVIDED ONSITE SUPE	RVISION O	F WELL CON	STRUC	CTION OTHER TH	AN LICENSEE:
5.	Shane Eldri	dge, Carme	lo Trevino, Can	neron Pruitt						
					THE BEST OF HIS OR HER I					
SIGNATURE					OLE AND THAT HE OR SHE VIR COMPLETION OF WELL D		THIS WELL I	RECOR	D WITH THE STA	ATE ENGINEER
SIGNA	Jack A	tkins			Jackie D. Atkins				10/27/2021	
9	<u> </u>	SIGNAT	URE OF DRILLE	ER / PRINTS	IGNEE NAME				DATE	
ΕΩI	R OSE INTER	NAI IICE					W/R_20 W/R	[ DE/	CORD & LOG (Ver	reion 06/30/2017\
	E NO.	TAL USE			POD NO.		TRN NO.	LL RE	COND & LOG (VG	31011 00/30/2017)

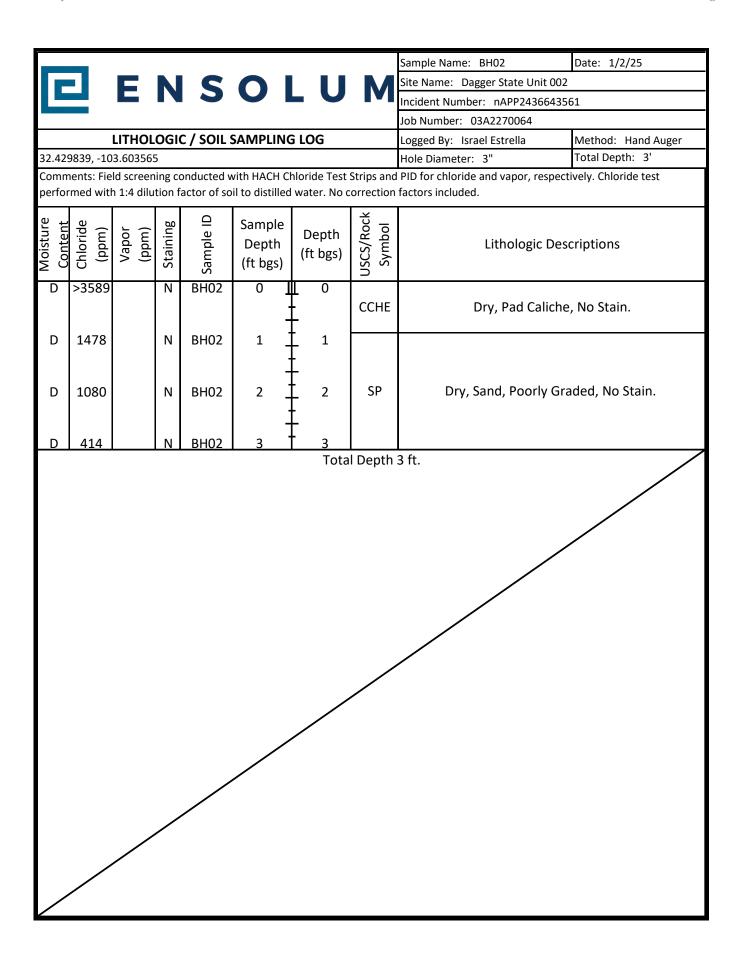
LOCATION

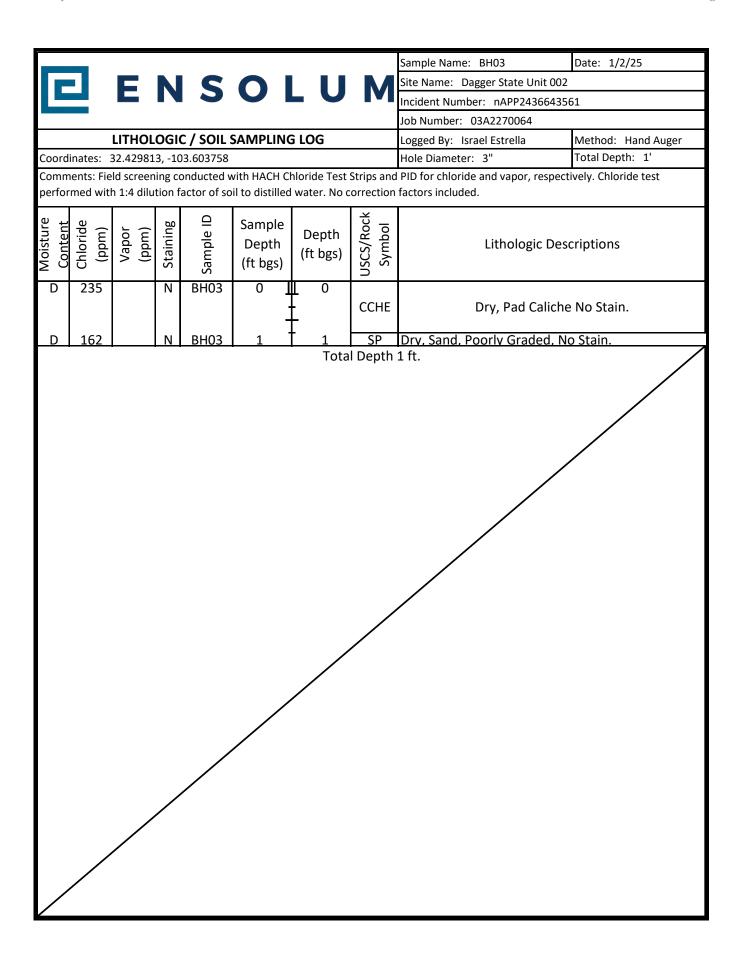


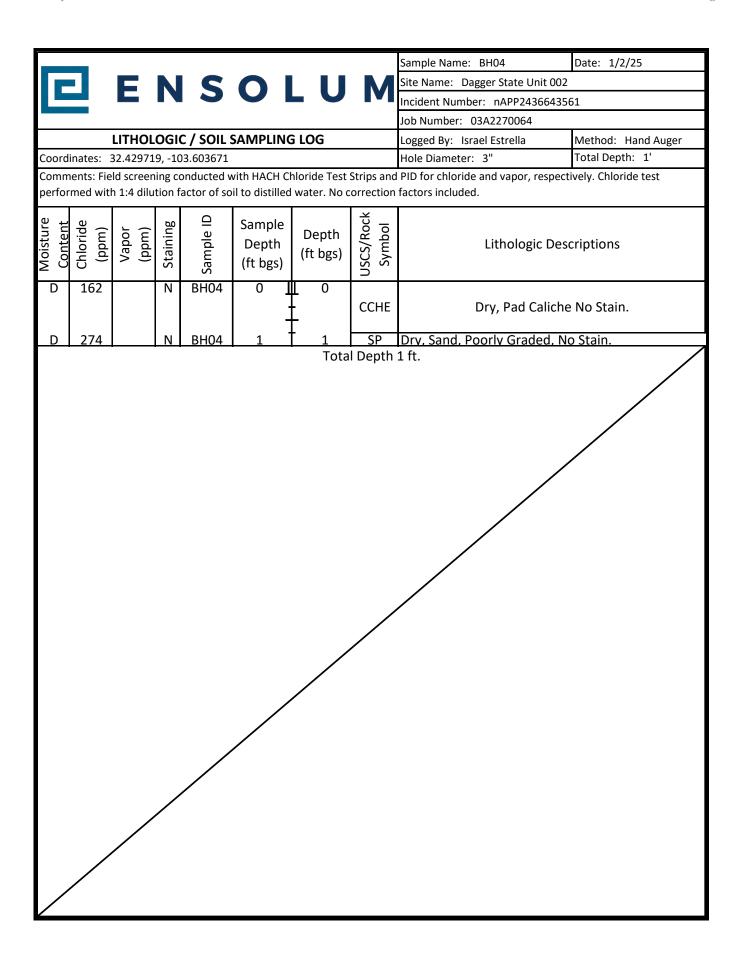
**APPENDIX B** 

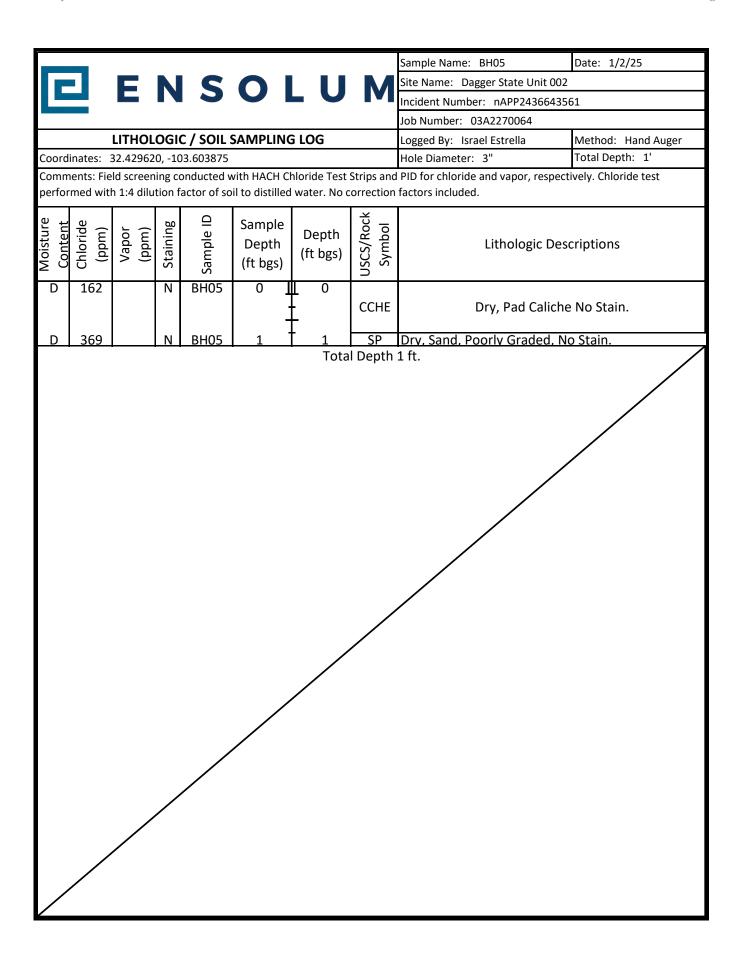
Lithologic Soil Sampling Logs













**APPENDIX C** 

Photographic Log

# ENSOLUM

## **Photographic Log**

**Matador Production Company** Dagger State Unit 002 nAPP2436643561





Date: 12/31/2024 Date: 12/31/2024 Photograph 1 Photograph 2

Description: Spill Area View: West

Description: Spill Area

View: Northeast





Photograph 3 Date: 12/31/2024 Photograph 4 Date: 12/31/2024

Description: Spill Area Description: Spill Area View: Northeast View: North



# Photographic Log Matador Production Company

Dagger State Unit 002 nAPP2436643561





Photograph 5

Description: Lease Sign View: East

Date:01/02/2025

Photograph 6
Description: SS01

View: East

Date:01/02/2025





Photograph 7
Description: SS02

View: West

Date:01/02/2025

Photograph 8

Description: SS03

View: Northwest

Date:01/02/2025



## Photographic Log

Matador Production Company
Dagger State Unit 002
nAPP2436643561





Photograph 9
Description: SS04

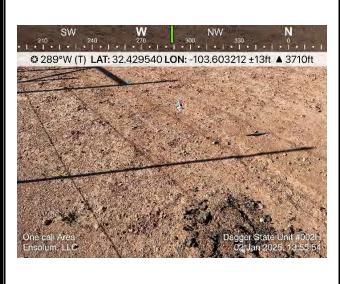
View: Northeast

Date:01/02/2025

Photograph 10

Description: One Call Area

View: Northeast





Photograph 11

Description: One Call Area

View: West

Date:01/02/2025

Photograph 12

Description: One Call Area

View: Southwest

Date:01/02/2025

Date:01/02/2025



# Photographic Log

Matador Production Company
Dagger State Unit 002
nAPP2436643561





Photograph 13 Description: BH01

View: Northwest

Date:01/02/2025

Photograph 14 Description: BH02

กฤแอก: ธ⊓บ∠ View: East Date:01/02/2025





Photograph 15 Description: BH03

View: East

Date:01/02/2025

Photograph 16

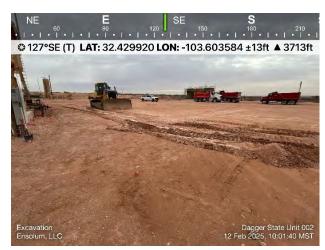
Description: BH04 View: North Date:01/02/2025



# Photographic Log

Matador Production Company Dagger State Unit 002 nAPP2436643561





Photograph 17

Description: Excavation

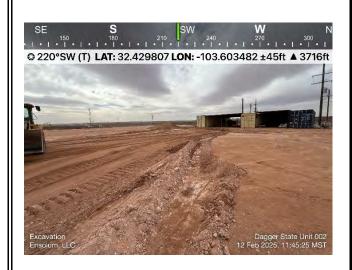
View: West

Date:02/12/2025

Photograph 18

Description: Excavation View: Southeast

Date:02/12/2025



Photograph 19

Description: Excavation

View: Southeast

Date:02/12/2025

Photograph 20

Description: Excavation

View: Southwest

Date:02/12/2025



# Photographic Log Matador Production Company Dagger State Unit 003

Dagger State Unit 002 nAPP2436643561





Photograph 21

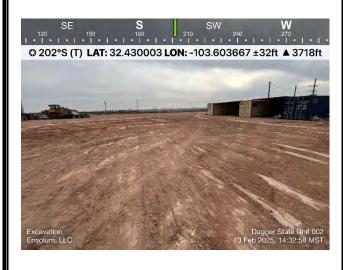
Description: Excavation View: Northeast

Date:02/13/2025

Photograph 22

Description: Excavation View: West

Date:02/13/2025



SE S 210 SW 240 270 300 100 218°SW (T) LAT: 32.429900 LON: -103.603618 ±13ft A 3719ft

Excavation Ensolum, LLC Dagger State Unit 002 13 Feb 2025, 14:33:15 MST

Photograph 23

Description: Excavation

View: South

Date:02/13/2025

Photograph 24

Description: Excavation

View: Southwest

Date:02/13/2025



# Photographic Log tador Production Compan

Matador Production Company Dagger State Unit 002 nAPP2436643561





Photograph 13

Description: Excavation

View: North

Date:02/14/2025

Photograph 14

Description: Excavation

View: North





Photograph 15

Description: Excavation

View: North

Date:02/14/2025

Photograph 16

Description: Excavation

View: Northeast

Date:02/14/2025

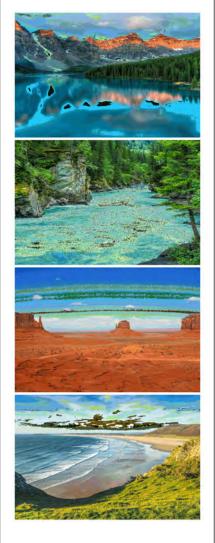
Date:02/14/2025



# APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Matador Resources, LLC.

Project Name: Dagger State Unit 002

Work Order: E501018

Job Number: 23003-0002

Received: 1/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/8/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/8/25

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

Project Name: Dagger State Unit 002

Workorder: E501018

Date Received: 1/6/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/6/2025 7:30:00AM, under the Project Name: Dagger State Unit 002.

The analytical test results summarized in this report with the Project Name: Dagger State Unit 002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Cell: 505-320-4759

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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
SS02-0'	8
SS02-1'	9
SS03-0'	10
SS03-1'	11
SS04-0'	12
SS04-1'	13
BH01-0'	14
BH01-1'	15
BH02-0'	16
BH02-1'	17
BH03-0'	18
BH03-1'	19
BH04-0'	20
BH04-1'	21
BH05-0'	22
BH05-1'	23
QC Summary Data	24
QC - Volatile Organics by EPA 8021B	24

# Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - GRO	25
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	26
QC - Anions by EPA 300.0/9056A	27
Definitions and Notes	28
Chain of Custody etc.	29

# **Sample Summary**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo01/08/25 13:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E501018-01A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
SS01-1'	E501018-02A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
SS02-0'	E501018-03A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
SS02-1'	E501018-04A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
SS03-0'	E501018-05A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
SS03-1'	E501018-06A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
SS04-0'	E501018-07A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
SS04-1'	E501018-08A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
BH01-0'	E501018-09A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
BH01-1'	E501018-10A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
BH02-0'	E501018-11A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
BH02-1'	E501018-12A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
BH03-0'	E501018-13A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
BH03-1'	E501018-14A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
BH04-0'	E501018-15A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
BH04-1'	E501018-16A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
BH05-0'	E501018-17A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.
BH05-1'	E501018-18A	Soil	01/02/25	01/06/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

## SS01-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/06/25	
Surrogate: n-Nonane		115 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2502011
Chloride	4040	40.0	2	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### SS01-1'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
o,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.4 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/06/25	
Surrogate: n-Nonane		112 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: AK		Batch: 2502011
Chloride	459	20.0	1	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### SS02-0'

		ъ.				
	D 1:	Reporting	D'1 -:	D 1		NT .
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.5 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	969	25.0	1	01/06/25	01/06/25	
Oil Range Organics (C28-C36)	876	50.0	1	01/06/25	01/06/25	
Surrogate: n-Nonane		120 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: AK		Batch: 2502011
Chloride	3160	40.0	2	01/06/25	01/06/25	·



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### SS02-1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.3 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/06/25	
Surrogate: n-Nonane		117 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: AK		Batch: 2502011
Chloride	377	20.0	1	01/06/25	01/07/25	·



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### SS03-0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/06/25	
Surrogate: n-Nonane		114 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: AK		Batch: 2502011
Chloride	1040	20.0	1	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### SS03-1'

		Domontin o				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL	<u> </u>	Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.5 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/06/25	
Surrogate: n-Nonane		114 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: AK		Batch: 2502011
Chloride	84.1	20.0	1	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### SS04-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		98.6 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/06/25	
Surrogate: n-Nonane		117 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: AK		Batch: 2502011
Chloride	80.7	20.0	1	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### SS04-1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/06/25	
Surrogate: n-Nonane		119 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: AK		Batch: 2502011
Chloride	139	20.0	1	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

## BH01-0'

E501018-09								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2502003		
Benzene	ND	0.0250	1	01/06/25	01/06/25			
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25			
Toluene	ND	0.0250	1	01/06/25	01/06/25			
o-Xylene	ND	0.0250	1	01/06/25	01/06/25			
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25			
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25			
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	01/06/25	01/06/25			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2502003		
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25			
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	01/06/25	01/06/25			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2502008		
Diesel Range Organics (C10-C28)	161	25.0	1	01/06/25	01/06/25			
Oil Range Organics (C28-C36)	174	50.0	1	01/06/25	01/06/25			
Surrogate: n-Nonane		115 %	50-200	01/06/25	01/06/25			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: AK		Batch: 2502011		
Chloride	5130	40.0	2	01/06/25	01/07/25			



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

### BH01-1'

		E501018-10				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.8 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/06/25	
Surrogate: n-Nonane		120 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: AK		Batch: 2502011
Chloride	199	20.0	1	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### BH02-0'

		Donoutino				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.3 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/07/25	
Surrogate: n-Nonane		116 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: AK		Batch: 2502011
Chloride	4940	40.0	2	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### BH02-1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.5 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/07/25	
Surrogate: n-Nonane		110 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: AK		Batch: 2502011
Chloride	1150	20.0	1	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### BH03-0'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/07/25	
Surrogate: n-Nonane		115 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: AK		Batch: 2502011
Chloride	174	20.0	1	01/06/25	01/07/25	<del></del>



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### BH03-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/07/25	
Surrogate: n-Nonane		115 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2502011
Chloride	103	20.0	1	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### BH04-0'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.4 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/07/25	
Surrogate: n-Nonane		115 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: AK		Batch: 2502011
· · · · · · · · · · · · · · · · · · ·	104	20.0		01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### BH04-1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.6 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/07/25	
Surrogate: n-Nonane		115 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2502011
Chloride	175	20.0	1	01/06/25	01/07/25	<del></del>



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### BH05-0'

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	.nalyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	.nalyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/07/25	
Surrogate: n-Nonane		116 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: AK		Batch: 2502011
Chloride	68.0	20.0	1	01/06/25	01/07/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

#### BH05-1'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2502003
Benzene	ND	0.0250	1	01/06/25	01/06/25	
Ethylbenzene	ND	0.0250	1	01/06/25	01/06/25	
Toluene	ND	0.0250	1	01/06/25	01/06/25	
o-Xylene	ND	0.0250	1	01/06/25	01/06/25	
p,m-Xylene	ND	0.0500	1	01/06/25	01/06/25	
Total Xylenes	ND	0.0250	1	01/06/25	01/06/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.8 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2502008
Diesel Range Organics (C10-C28)	ND	25.0	1	01/06/25	01/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/06/25	01/07/25	
Surrogate: n-Nonane		119 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: AK		Batch: 2502011
Chloride	342	20.0	1	01/06/25	01/07/25	



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

Matador Resources, LLC.	Project Name: Project Number:	Dagger State Unit 002 23003-0002	Reported:
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Number: Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

Dallas TX, 75240		Project Manager	: As	shley Gioveng	90			1/	8/2025 1:55:41PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2502003-BLK1)						F	Prepared: 0	1/06/25 Anal	yzed: 01/06/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			
LCS (2502003-BS1)						F	Prepared: 0	1/06/25 Anal	yzed: 01/06/25
Benzene	5.70	0.0250	5.00		114	70-130			
Ethylbenzene	5.51	0.0250	5.00		110	70-130			
Toluene	5.62	0.0250	5.00		112	70-130			
p-Xylene	5.49	0.0250	5.00		110	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.7	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			
LCS Dup (2502003-BSD1)						F	Prepared: 0	1/06/25 Anal	yzed: 01/06/25
Benzene	5.41	0.0250	5.00		108	70-130	5.27	20	
Ethylbenzene	5.23	0.0250	5.00		105	70-130	5.32	20	
Toluene	5.33	0.0250	5.00		107	70-130	5.24	20	
o-Xylene	5.21	0.0250	5.00		104	70-130	5.17	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	5.15	20	
Total Xylenes	15.9	0.0250	15.0		106	70-130	5.16	20	



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

	Non	halogenated	Organics l	by EPA 80	15D - G	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 (2502003-BLK1)							Prepared: 0	1/06/25 Anal	yzed: 01/06/25
Blank (2502003-BLK1) Gasoline Range Organics (C6-C10)	ND	20.0					Prepared: 0	1/06/25 Anal	yzed: 01/06/25
	ND 7.11	20.0	8.00		88.9	70-130	Prepared: 0	1/06/25 Anal	yzed: 01/06/25
Gasoline Range Organics (C6-C10)		20.0	8.00		88.9	70-130			yzed: 01/06/25 yzed: 01/06/25
Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID		20.0	8.00		88.9 76.5	70-130			

8.00

70-130

70-130

91.2

11.3

20.0

7.30

# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/8/2025 1:55:41PM

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	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 (2502008-BLK1)							Prepared: 0	1/06/25 An	alyzed: 01/06/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	50-200			
LCS (2502008-BS1)							Prepared: 0	1/06/25 An	alyzed: 01/06/25
Diesel Range Organics (C10-C28)	300	25.0	250		120	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			
Matrix Spike (2502008-MS1)				Source:	E501018-	02	Prepared: 0	1/06/25 An	alyzed: 01/06/25
Diesel Range Organics (C10-C28)	312	25.0	250	ND	125	38-132			
Surrogate: n-Nonane	57.3		50.0		115	50-200			
Matrix Spike Dup (2502008-MSD1)				Source:	E501018-	02	Prepared: 0	1/06/25 An	alyzed: 01/06/25
Diesel Range Organics (C10-C28)	322	25.0	250	ND	129	38-132	3.14	20	
Surrogate: n-Nonane	58.9		50.0		118	50-200			



Chloride

M4

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: 2	Dagger State Ui 23003-0002 Ashley Gioveng					<b>Reported:</b> 1/8/2025 1:55:41PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: AK
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2502011-BLK1)							Prepared: 0	1/06/25 A	nalyzed: 01/06/25
Chloride	ND	20.0							
LCS (2502011-BS1)							Prepared: 0	1/06/25 A	nalyzed: 01/06/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2502011-MS1)				Source:	E501018-	03	Prepared: 0	1/06/25 A	nalyzed: 01/07/25
Chloride	3400	40.0	250	3160	96.2	80-120			
Matrix Spike Dup (2502011-MSD1)				Source:	E501018-	03	Prepared: 0	1/06/25 A	nalyzed: 01/07/25

250

40.0

3160

NR

80-120

9.46

#### 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 State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/08/25 13:55

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.



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Printed: 1/6/2025 8:28:29AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	01/06/25	07:30	Work Order ID:	E501018
Phone:	(972) 371-5200	Date Logged In:	01/03/25	14:35	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/10/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
		temperature. 1	<u> </u>			
Sample C	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
	· · · · · · · · · · · · · · · · · · ·	ners conected:	105			
Field Lab	ner field sample labels filled out with the minimum info	armetion:				
	ample ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
	ollectors name?		No			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	ise?	No			
	does the COC specify which phase(s) is to be anal		NA			
	act Laboratory					
	<del></del>	9	No			
	amples required to get sent to a subcontract laborate subcontract laboratory specified by the client and i	-	No NA	Subcontract Lab: NA		
		1 SO WIIO:	INA	Subcontract Lab: NA		
Client In	<u>struction</u>					

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Matador Resources, LLC.

Project Name: Dagger State Unit 2

Work Order: E501044

Job Number: 23003-0002

Received: 1/9/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/15/25

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: 1/15/25

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

Project Name: Dagger State Unit 2

Workorder: E501044

Date Received: 1/9/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/9/2025 7:15:00AM, under the Project Name: Dagger State Unit 2.

The analytical test results summarized in this report with the Project Name: Dagger State Unit 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

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

rainaschwanz@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** Lynn Jarboe

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

Cell: 505-320-4759

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Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

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
BH02-3'	5
QC Summary Data	6
QC - Volatile Organic Compounds by EPA8260B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

## **Sample Summary**

_				
ſ	Matador Resources, LLC.	Project Name:	Dagger State Unit 2	Reported:
١	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported.
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/15/25 11:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-3'	E501044-01A	Soil	01/07/25	01/09/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State Unit 2	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/15/2025 11:30:51AM

## BH02-3' E501044-01

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2502075
Benzene	ND	0.0250		1	01/09/25	01/10/25	
Ethylbenzene	ND	0.0250		1	01/09/25	01/10/25	
Toluene	ND	0.0250		1	01/09/25	01/10/25	
o-Xylene	ND	0.0250		1	01/09/25	01/10/25	
p,m-Xylene	ND	0.0500		1	01/09/25	01/10/25	
Total Xylenes	ND	0.0250		1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene		96.5 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8		105 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2502075
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/09/25	01/10/25	
Surrogate: Bromofluorobenzene		96.5 %	70-130		01/09/25	01/10/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/09/25	01/10/25	
Surrogate: Toluene-d8		105 %	70-130		01/09/25	01/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2502077
Diesel Range Organics (C10-C28)	ND	25.0		1	01/09/25	01/10/25	
Oil Range Organics (C28-C36)	ND	50.0		1	01/09/25	01/10/25	
Surrogate: n-Nonane		109 %	50-200		01/09/25	01/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2502078
	306	20.0		1	01/09/25	01/09/25	



## **QC Summary Data**

Matador Resources, LLC.Project Name:Dagger State Unit 2Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo1/15/2025 11:30:51AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			1/1	5/2025 11:30:51Al
	V	olatile Organ	ic Compo	unds by El	PA 82601	В			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 (2502075-BLK1)							Prepared: 0	1/09/25 Anal	yzed: 01/10/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2502075-BS1)							Prepared: 0	1/09/25 Anal	yzed: 01/14/25
Benzene	2.22	0.0250	2.50		88.9	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.2	70-130			
Foluene	2.23	0.0250	2.50		89.2	70-130			
o-Xylene	2.44	0.0250	2.50		97.6	70-130			
o,m-Xylene	4.78	0.0500	5.00		95.6	70-130			
Total Xylenes	7.22	0.0250	7.50		96.3	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			
Matrix Spike (2502075-MS1)				Source:	E501047-	08	Prepared: 0	1/09/25 Anal	yzed: 01/10/25
Benzene	2.16	0.0250	2.50	ND	86.4	48-131			
Ethylbenzene	2.29	0.0250	2.50	ND	91.7	45-135			
Toluene	2.26	0.0250	2.50	ND	90.4	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.1	43-135			
p,m-Xylene	4.75	0.0500	5.00	ND	95.0	43-135			
Total Xylenes	7.15	0.0250	7.50	ND	95.3	43-135			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
Matrix Spike Dup (2502075-MSD1)				Source:	E501047-	08	Prepared: 0	1/09/25 Anal	yzed: 01/10/25
Benzene	2.20	0.0250	2.50	ND	87.9	48-131	1.79	23	
Ethylbenzene	2.31	0.0250	2.50	ND	92.3	45-135	0.630	27	
Toluene	2.25	0.0250	2.50	ND	90.1	48-130	0.332	24	
o-Xylene	2.42	0.0250	2.50	ND	96.9	43-135	0.850	27	
p,m-Xylene	4.80	0.0500	5.00	ND	95.9	43-135	0.985	27	
Total Xylenes	7.22	0.0250	7.50	ND	96.2	43-135	0.940	27	
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.529		0.500		106	70-130			
			0.500		105	50 150			

0.500

105

70-130

0.524

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

## **QC Summary Data**

Matador Resources, LLC.Project Name:Dagger State Unit 2Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo1/15/2025 11:30:51AM

	Nonhalogenated Organics by EPA 8015D - GRO								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 (2502075-BLK1)							Prepared: 0	1/09/25 Analy	zed: 01/10/25		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130					
Surrogate: Toluene-d8	0.522		0.500		104	70-130					
LCS (2502075-BS2)							Prepared: 0	1/09/25 Analy	zed: 01/10/25		
Gasoline Range Organics (C6-C10)	57.3	20.0	50.0		115	70-130					
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130					
Surrogate: Toluene-d8	0.531		0.500		106	70-130					
Matrix Spike (2502075-MS2)				Source:	E501047-	08	Prepared: 0	1/09/25 Analy	zed: 01/14/25		

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130				
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130				
Surrogate: Toluene-d8	0.521		0.500		104	70-130				
Matrix Spike Dup (2502075-MSD2)				Source:	E501047-0	18	Prepared: 01	1/09/25	Analyzed: 01/	14/25
Matrix Spike Dup (2502075-MSD2) Gasoline Range Organics (C6-C10)	55.6	20.0	50.0	Source:	E501047-0	70-130	Prepared: 01 5.53	20	Analyzed: 01/	14/25

0.500

0.500

0.506

0.522

101

104

70-130

70-130



# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 2	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	·
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/15/2025 11:30:51AM

Dallas 1X, /5240		Project Manager	r: As	niey Gioveng	30				1/15/2025 11:30:51AN
	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 (2502077-BLK1)							Prepared: 0	1/09/25	Analyzed: 01/10/25
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	55.0		50.0		110	50-200			
.CS (2502077-BS1)							Prepared: 0	1/09/25	Analyzed: 01/10/25
iesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
urrogate: n-Nonane	52.2		50.0		104	50-200			
Aatrix Spike (2502077-MS1)				Source:	E501036-0	)7	Prepared: 0	1/09/25	Analyzed: 01/10/25
iesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132			
urrogate: n-Nonane	54.9		50.0		110	50-200			
Matrix Spike Dup (2502077-MSD1)				Source:	E501036-0	)7	Prepared: 0	1/09/25	Analyzed: 01/10/25
riesel Range Organics (C10-C28)	236	25.0	250	ND	94.6	38-132	3.12	20	
urrogate: n-Nonane	53.4		50.0		107	50-200			



Chloride

Chloride

Matrix Spike Dup (2502078-MSD1)

## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	: 2	Dagger State Un 3003-0002				,	Reported: /15/2025 11:30:51AM
Dallas TX, 75240		Project Manager  Anions		Ashley Giovens 300.0/9056					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 (2502078-BLK1)							Prepared: 0	1/09/25 Ar	nalyzed: 01/09/25
Chloride	ND	20.0							
LCS (2502078-BS1)							Prepared: 0	1/09/25 Ar	nalyzed: 01/09/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2502078-MS1)				Source:	E501036-	06	Prepared: 0	1/09/25 Ar	nalyzed: 01/09/25

250

250

20.0

20.0

256

256

102

103

Source: E501036-06

80-120

80-120

0.859

Prepared: 01/09/25 Analyzed: 01/09/25

20

510

515

#### 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 State Unit 2	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/15/25 11:30

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.

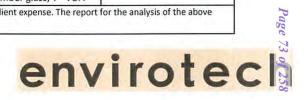
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page	of

	Clie	nt Inform	nation				Invoice In	formation					La	b Us	e On	ly				TA	AT.		State	
	Matador Proc					Comp	oany: Ensolum l	LC		L	Lab \	WO#			Job I	Num	ber	-	1D	2D	3D S	Std	NM CO UT	TX
Project:	Dagger	Stat	c Um	+2.		Addre	ess: 3122 Nation	nal Parks Hwy			E5	al	YK	1	23(	003	$\cdot \infty$	02				X	X	
Project N	Manager: As	hley Giov	engo			City, S	State, Zip: Carlsl	bad NM, 8822	.0														-	
Address:	3122 Nation	nal Parks	Hwy			Phone	e: 575-988-005	5			I				Ana	lysis	and	Met	hod				EPA Progra	m
City, Stat	e, Zip: Carls	bad NM,	88220			Email	l: agiovengo@	ensolum.com						1000									SDWA CWA	RCRA
	575-988-005						llaneous:								1									7.77
	giovengo@e		om			11111						S	S	1					1			1	Compliance Y	or N
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-				Sam	ple Inforr	nation						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			1	4	
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Sampled	Date Sampled	Matrix	Containers			58	ample ID		File	Lab Numl	ber	DRC	GRC	BTE	VOC	Chi	BGC	TCEC	RCR					
1105	1/1/25	Soil	1			BH	02-3			1							X							
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Addition	al Instructio	ns: Ple	ase CC: cl	ourton@e	ensolum.c	om, ag	giovengo@ensol	um.com, cha	milto	n@en	isolu	ım.c	om, i	iestr	ella@	ens	olum	.con	n					
		e validity and	BOOK .	of this samp	ole. I am awa	re that ta	mpering with or intent	tionally mislabeling	the sa	mple loc	ation,	, date	or time	e of co	llection	n is co	nsidere	ed frau	d and	may be	e ground	ds for	legal action.	
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Relinquish	ed by: (Signatur	re)	Date	8/25	7 2 1	- 1	teived by: (algnatu	re) anamies	Date	7.1	5	Time	DIS	-					7,000				st be received on ice the day temp above 0 but less than	
Dallamiah	and how (Cineman)	~	Date			3	( C	100 9 110	Data	00	2	Time		)				went d			1000			
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Lus		jonaj	Date		Time	_	uno	rol	Date	1.40	/	Time	0	-			11			-,	12		<u>T3</u>	-
Keiinquish	ed by: (Śignatu	(e)	Date		lille	I Ke	eceived by: (Signatu	ie/	Date			rine					AVIC	Ton	np °C	4	-			
Sample Mat	rix: <b>S</b> - Soil, <b>Sd</b> - S	olid Se - Shu	dge A - Agus	ous O - Oth	er				Con	tainer	Type	2: 2 -	glass	. p - r	olv/r	olasti					- VOA			
						other arr	rangements are made	de Hazardous sa	_													_	or the analysis of the	above
							is COC. The liability											Circi	it cap.	crisc.	· iic ici	5011	or the undrysis of the	above





Page 74 of 258

Printed: 1/9/2025 12:43:44PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

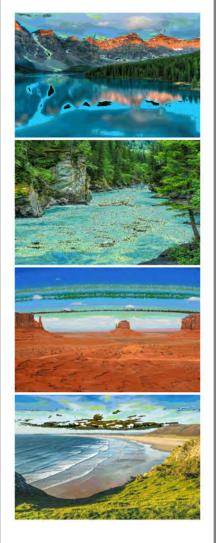
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	01/09/25	07:15	Work Order ID:	E501044
Phone:	(972) 371-5200	Date Logged In:	01/08/25	15:11	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/15/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Cour	<u>rier</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		Commen	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C			_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·	ners concerca.	105			
	field sample labels filled out with the minimum info	ormation.				
	ample ID?	mation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		No			
Sample P	reservation_					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
Subcontr	act Laboratory					
-	imples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: N	ĪΔ	
		i so wiio.	1171	Subcontract Lab. 14	ın.	
Chent in	<u>struction</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 State 002

Work Order: E501169

Job Number: 23003-0002

Received: 1/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/28/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/28/25

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

Project Name: Dagger State 002

Workorder: E501169

Date Received: 1/24/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/24/2025 7:30:00AM, under the Project Name: Dagger State 002.

The analytical test results summarized in this report with the Project Name: Dagger State 002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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**Michelle Gonzales** 

Client Representative

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
SS01A @ 0'	5
SS02A @ 0'	6
SS03A @ 0'	7
QC Summary Data	8
QC - Volatile Organic Compounds by EPA 8260B	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

ſ	Matador Resources, LLC.	Project Name:	Dagger State 002	Reported:
ı	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported.
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/28/25 17:10

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS01A @ 0'	E501169-01A Soil	01/22/25	01/24/25	Glass Jar, 2 oz.
SS02A @ 0'	E501169-02A Soil	01/22/25	01/24/25	Glass Jar, 2 oz.
SS03A @ 0'	E501169-03A Soil	01/22/25	01/24/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 5:10:00PM

#### SS01A @ 0' E501169-01

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2504118
Benzene	ND	0.0250		1	01/24/25	01/26/25	
Ethylbenzene	ND	0.0250		1	01/24/25	01/26/25	
Toluene	ND	0.0250		1	01/24/25	01/26/25	
o-Xylene	ND	0.0250		1	01/24/25	01/26/25	
p,m-Xylene	ND	0.0500		1	01/24/25	01/26/25	
Total Xylenes	ND	0.0250		1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene		95.7 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8		104 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/24/25	01/26/25	
Surrogate: Bromofluorobenzene		95.7 %	70-130		01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/24/25	01/26/25	
Surrogate: Toluene-d8		104 %	70-130		01/24/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	HM		Batch: 2504125
Diesel Range Organics (C10-C28)	ND	25.0		1	01/24/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0		1	01/24/25	01/24/25	
Surrogate: n-Nonane		105 %	50-200		01/24/25	01/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2504123
<u> </u>	33.0	20.0		1	01/24/25	01/24/25	



Matador Resources, LLC.	Project Name:	Dagger State 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 5:10:00PM

#### SS02A @ 0' E501169-02

		E501169-02					
		Reporting					
Analyte	Result	Limit	Dilut	tion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2504118
Benzene	ND	0.0250	1	01/2	4/25	01/26/25	
Ethylbenzene	ND	0.0250	1	01/2	4/25	01/26/25	
Toluene	ND	0.0250	1	01/2	4/25	01/26/25	
o-Xylene	ND	0.0250	1	01/2	4/25	01/26/25	
p,m-Xylene	ND	0.0500	1	01/2	4/25	01/26/25	
Total Xylenes	ND	0.0250	1	01/2	4/25	01/26/25	
Surrogate: Bromofluorobenzene		101 %	70-130	01/2	4/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	01/2	4/25	01/26/25	
Surrogate: Toluene-d8		106 %	70-130	01/2	4/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY			Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/2	4/25	01/26/25	
Surrogate: Bromofluorobenzene		101 %	70-130	01/2	4/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	01/2	4/25	01/26/25	
Surrogate: Toluene-d8		106 %	70-130	01/2	4/25	01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: HM			Batch: 2504125
Diesel Range Organics (C10-C28)	ND	25.0	1	01/2	4/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/2	4/25	01/24/25	
Surrogate: n-Nonane		113 %	50-200	01/2	4/25	01/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM			Batch: 2504123
Chloride	276	20.0	1	01/2	4/25	01/24/25	·



Matador Resources, LLC.	Project Name:	Dagger State 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 5:10:00PM

#### SS03A @ 0' E501169-03

		E501169-03				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepare	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2504118
Benzene	ND	0.0250	1	01/24/2	25 01/26/25	
Ethylbenzene	ND	0.0250	1	01/24/2	25 01/26/25	
Toluene	ND	0.0250	1	01/24/2	25 01/26/25	
p-Xylene	ND	0.0250	1	01/24/2	25 01/26/25	
p,m-Xylene	ND	0.0500	1	01/24/2	25 01/26/25	
Total Xylenes	ND	0.0250	1	01/24/2	25 01/26/25	
Surrogate: Bromofluorobenzene		100 %	70-130	01/24/2	25 01/26/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	01/24/2	25 01/26/25	
Surrogate: Toluene-d8		105 %	70-130	01/24/2	25 01/26/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2504118
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/2	25 01/26/25	
Surrogate: Bromofluorobenzene		100 %	70-130	01/24/2	25 01/26/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	01/24/2	25 01/26/25	
Surrogate: Toluene-d8		105 %	70-130	01/24/2	25 01/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: HM		Batch: 2504125
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/2	25 01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/2	25 01/25/25	
Surrogate: n-Nonane		108 %	50-200	01/24/2	25 01/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: JM		Batch: 2504123
Chloride	160	20.0	1	01/24/2	25 01/24/25	



Matador Resources, LLC.Project Name:Dagger State 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo1/28/2025 5:10:00PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			1,	28/2025 5:10:00PN
	V	olatile Organ	ic Compo	unds by EI	PA 8260	В			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 (2504118-BLK1)							Prepared: 0	1/24/25 Ana	lyzed: 01/26/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130			
Surrogate: Toluene-d8	0.460		0.500		91.9	70-130			
LCS (2504118-BS1)							Prepared: 0	1/24/25 Ana	alyzed: 01/26/25
Benzene	2.34	0.0250	2.50		93.6	70-130			
Ethylbenzene	2.51	0.0250	2.50		101	70-130			
Toluene	2.24	0.0250	2.50		89.7	70-130			
o-Xylene	2.45	0.0250	2.50		97.9	70-130			
p,m-Xylene	4.64	0.0500	5.00		92.7	70-130			
Total Xylenes	7.09	0.0250	7.50		94.5	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.538		0.500		108	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
LCS Dup (2504118-BSD1)							Prepared: 0	1/24/25 Ana	lyzed: 01/26/25
Benzene	2.33	0.0250	2.50		93.1	70-130	0.514	23	
Ethylbenzene	2.60	0.0250	2.50		104	70-130	3.17	27	
Toluene	2.74	0.0250	2.50		110	70-130	20.1	24	
o-Xylene	2.32	0.0250	2.50		92.8	70-130	5.39	27	
p,m-Xylene	4.36	0.0500	5.00		87.2	70-130	6.20	27	
Total Xylenes	6.68	0.0250	7.50		89.0	70-130	5.92	27	
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.531		0.500		106	70-130			
-									

0.500

121

70-130

0.607



Surrogate: Toluene-d8

Matador Resources, LLC.Project Name:Dagger State 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo1/28/20255:10:00PM

Nonhalogenated Orga	nics by EPA 8015D - GRO
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Anal	yst:	Γ
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Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	

Blank (2504118-BLK1)						Prepared: 0	/24/25 An	alyzed: 01/26/25
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.513		0.500	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500	105	70-130			
Surrogate: Toluene-d8	0.460		0.500	91.9	70-130			
LCS (2504118-BS2)						Prepared: 0	/24/25 An	alyzed: 01/26/25
Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	115	70-130			
Surrogate: Bromofluorobenzene	0.566		0.500	113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500	102	70-130			
Surrogate: Toluene-d8	0.532		0.500	106	70-130			
LCS Dup (2504118-BSD2)						Prepared: 0	/24/25 An	alyzed: 01/26/25
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	104	70-130	10.4	20	
Surrogate: Bromofluorobenzene	0.457		0.500	91.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500	101	70-130			
Surrogate: Toluene-d8	0.526		0.500	105	70-130			



Matador Resources, LLC.	Project Name:	Dagger State 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/28/2025 5:10:00PM

Dullus 171, 732 10		Troject Manage		iney Groveng	-				
	Nonha	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 (2504125-BLK1)							Prepared: 0	1/24/25 Ana	lyzed: 01/24/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.3		50.0		125	50-200			
LCS (2504125-BS1)							Prepared: 0	1/24/25 Ana	lyzed: 01/24/25
Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
Surrogate: n-Nonane	52.6		50.0		105	50-200			
Matrix Spike (2504125-MS1)				Source:	E501170-0	01	Prepared: 0	1/24/25 Ana	lyzed: 01/24/25
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132			
Surrogate: n-Nonane	53.7		50.0		107	50-200			
Matrix Spike Dup (2504125-MSD1)				Source:	E501170-0	01	Prepared: 0	1/24/25 Ana	lyzed: 01/24/25
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132	0.656	20	
Surrogate: n-Nonane	53.9		50.0		108	50-200			



Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		agger State 00 3003-0002	2				Reported:
Dallas TX, 75240		Project Manager:		shley Gioveng	o				1/28/2025 5:10:00PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	<b>L</b>				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2504123-BLK1)							Prepared:	01/24/25	Analyzed: 01/24/25
Chloride	ND	20.0							
LCS (2504123-BS1)							Prepared:	01/24/25	Analyzed: 01/24/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2504123-MS1)				Source:	E501152-(	)2	Prepared:	01/24/25	Analyzed: 01/24/25
Chloride	561	100	250	302	103	80-120			
Matrix Spike Dup (2504123-MSD1)				Source:	E501152-(	)2	Prepared:	01/24/25	Analyzed: 01/24/25
Chloride	544	100	250	302	96.6	80-120	3.08	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 State 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/28/25 17:10

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.



Released to Imaging: 4/1/2025 1:37:36 PM

Page _	1	of	1

	Clie	nt Inform	ation		Invoice Information Lab Use Only TAT							State													
Client: M	latador	34.				Company: Ensolum LLC		L	ab W	10#,	11.0	21	Job I	Num	ber	,	1D	2D	3D Std		CO UT	TX			
Project: I	Dagger State	002				Address: 3122 National Parks F	lwy		E50	766	169		33U	13-6	WZ				X	X					
Project N	Manager: As	hley Giov	engo			City, State, Zip: Carlsbad NM, 8	8220																		
Address:	3122 Natio	nal Parks	Hwy			Phone: 575-988-0055							Ana	lysis	and	Met	hod			EP	A Progra	am			
City, Stat	e, Zip: Carls	bad NM,	88220			Email: agiovengo@ensolum.c	om						- 1							SDWA	CWA	RCRA			
Phone: !	575-988-005	5				Miscellaneous:																10 mm 1 mm			
	giovengo@e		om			W. 400 W. E. 100				S	so l									Compliand	e Y	or N			
							- 100	-	3	8015	801			0		1.21	2			PWSID#		3			
				Sam	ple Inform	nformation				yd O	O by 8021	8021	8260	3260	8260	8260	300.	N	5 - TX	Meta					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Lab Numl	ber .	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks				
10:23	1/22/2025	S	1			SS01A @ 0'	- 2	1					_	0	X	-	u.								
11:28	1/22/2025	S	1			SS02A @0'		2			+				х										
9:18	1/22/2025					SS03A @ 0'		3		+	-	-					-								
		S	1					D		4					Х										
							4																		
							7																		
							-71-												=						
							-			+	+								-						
				D.																					
Addition	al Instruction	ns: Ple	ase CC: ag	iovengo	@ensolum	com, chamilton@ensolum.con	n, iestre	lla@en	solur	m.co	m, b	sim	mon	s@e	nsol	um.c	om, j	gonz	alez@ei	solum.co	m				
April - Free	Contract of the Contract of th		authenticity	of this samp	ole. I am aware	that tampering with or intentionally mislab	eling the sa	ample loc	ation, d	date o	r time	of col	lection	n is co	nsidere	ed frau	id and	may be	grounds fo	r legal action.					
	:Higinio Go						-		To.			_										PACES IN			
Relinquish	ed by: \Signatu	re)	- Date	-23-25	Time 0800	Received by: (Signature)  Michelle Gonza	es 1-	23.2		ime D {	800									ust be received g temp above 0					
Mich	ed by (Signatu	mzal	Date	13.25	Time 1515	Received by (Signature)	Date 1.	23.1		ime	200				Rec	eived	d on i	ce:	Lab U	se Only N					
Relinquish	ed by: (Signatu	re)	Date	3.25	7400	Received by: Signature	- Date	24/2	5	YE	30	)			T1				T2		<u>T3</u>				
Kelinquish	ed by: (Signatu	re)	Date		Time	Received by: (Signature)	Date		Ti	ime					AVG	Ten	np °C	4	4						
Sample Mat	rix: S - Soil, Sd - S	iolid, Sg - Slu	dge, A - Aque	ous, O - Oth	er		Cor	ntainer	Type:	g-g	lass,	<b>p</b> - p	oly/p	olasti					- VOA						
						her arrangements are made. Hazardo	s sample:	s will be	return	ned to	clien	tord	dispos	sed of	at th	e clier	nt exp	ense. 1	he report	for the anal	ysis of the	above			
						ith this COC. The liability of the labora												-							



envirotecia envirotecia

envirotech Inc.

Printed: 1/24/2025 8:53:54AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	01/24/25 (	07:30	Work	Order ID:	E501169
Phone:	(972) 371-5200	Date Logged In:	01/23/25	13:33	Logg	ed In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/30/25	17:00 (4 day TAT)		•	
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Co	<u>urier</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes	_		Comments	:/Resolution
Sample T	urn Around Time (TAT)			Г			
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C				
Sample C	•		<del></del>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	el						
20. Were 1	— field sample labels filled out with the minimum info	ormation:					
Sa	ample ID?		Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		Yes				
	reservation		NT.				
	the COC or field labels indicate the samples were property of the company of the	reserveu?	No				
	umple(s) correctly preserved? filteration required and/or requested for dissolved n	antolo?	NA Na				
	•	ictais:	No				
	se Sample Matrix	0					
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborato	•	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab: 1	NA		
Client In	struction						

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

## **Analytical Report**

Matador Resources, LLC.

Project Name: Dagger State Unit 002

Work Order: E502117

Job Number: 23003-0002

Received: 2/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/18/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/18/25

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

Project Name: Dagger State Unit 002

Workorder: E502117

Date Received: 2/14/2025 8:00:16AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/14/2025 8:00:16AM, under the Project Name: Dagger State Unit 002.

The analytical test results summarized in this report with the Project Name: Dagger State Unit 002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

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

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**Southern New Mexico Area** Lynn Jarboe

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

Cell: 505-320-4759

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Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

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
FS12 @ 0.5'	6
FS15 @ 0.5'	7
FS16 @ 0.5'	8
FS19 @ 0.5'	9
FS20 @ 0.5'	10
FS21 @ 0.5'	11
FS22 @ 0.5'	12
FS23 @ 0.5'	13
FS24 @ 0.5'	14
FS35 @ 0.5'	15
FS37 @ 0.5'	16
FS38 @ 0.5'	17
FS39 @ 0.5'	18
FS40 @ 0.5'	19
FS41 @ 0.5'	20
FS44 @ 0.5'	21
FS51 @ 0.5'	22
FS52 @ 0.5'	23
QC Summary Data	24
QC - Volatile Organics by EPA 8021B	24

# Table of Contents (continued)

	QC - Nonhalogenated Organics by EPA 8015D - GRO	25
	QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	26
	QC - Anions by EPA 300.0/9056A	27
De	efinitions and Notes	28
Cł	nain of Custody etc.	29

#### **Sample Summary**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo02/18/25 09:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS12 @ 0.5'	E502117-01A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS15 @ 0.5'	E502117-02A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS16 @ 0.5'	E502117-03A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS19 @ 0.5'	E502117-04A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS20 @ 0.5'	E502117-05A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS21 @ 0.5'	E502117-06A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS22 @ 0.5'	E502117-07A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS23 @ 0.5'	E502117-08A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS24 @ 0.5'	E502117-09A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS35 @ 0.5'	E502117-10A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS37 @ 0.5'	E502117-11A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS38 @ 0.5'	E502117-12A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS39 @ 0.5'	E502117-13A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS40 @ 0.5'	E502117-14A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS41 @ 0.5'	E502117-15A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS44 @ 0.5'	E502117-16A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS51 @ 0.5'	E502117-17A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.
FS52 @ 0.5'	E502117-18A	Soil	02/12/25	02/14/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS12 @ 0.5' E502117-01

		E302117-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2507103
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
o-Xylene	ND	0.0250	1	02/14/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		86.3 %	70-130	02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2507112
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		107 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2507116
Chloride	148	20.0	1	02/14/25	02/14/25	

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS15 @ 0.5' E502117-02

		1302117 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2507103
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
Toluene	ND	0.0250	1	02/14/25	02/14/25	
-Xylene	ND	0.0250	1	02/14/25	02/14/25	
o,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		84.5 %	70-130	02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2507112
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		103 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2507116
Chloride	405	20.0	1	02/14/25	02/14/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS16 @ 0.5' E502117-03

		1302117 05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2507103
Benzene	ND	0.0250	1	02/14/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/14/25	
oluene	ND	0.0250	1	02/14/25	02/14/25	
-Xylene	ND	0.0250	1	02/14/25	02/14/25	
o,m-Xylene	ND	0.0500	1	02/14/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/14/25	
Surrogate: 4-Bromochlorobenzene-PID		85.6 %	70-130	02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2507112
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		106 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2507116
Chloride	466	20.0	1	02/14/25	02/14/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS19 @ 0.5' E502117-04

	E502117-04				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2507103
ND	0.0250	1	02/14/25	02/14/25	
ND	0.0250	1	02/14/25	02/14/25	
ND	0.0250	1	02/14/25	02/14/25	
ND	0.0250	1	02/14/25	02/14/25	
ND	0.0500	1	02/14/25	02/14/25	
ND	0.0250	1	02/14/25	02/14/25	
	83.6 %	70-130	02/14/25	02/14/25	
mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2507103
ND	20.0	1	02/14/25	02/14/25	
	93.5 %	70-130	02/14/25	02/14/25	
mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2507112
ND	25.0	1	02/14/25	02/14/25	
ND	50.0	1	02/14/25	02/14/25	
	99.7 %	61-141	02/14/25	02/14/25	
mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2507116
164	20.0	1	02/14/25	02/14/25	
	ND ND ND ND ND ND ND ND ND Mg/kg ND  mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           83.6 %         mg/kg           mg/kg         mg/kg           ND         20.0           93.5 %         mg/kg           MD         25.0           ND         50.0           99.7 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           83.6 %         70-130         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           93.5 %         70-130         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           99.7 %         61-141         61-141           mg/kg         mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0500         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           MD         50.0         1         02/14/25           MD         50.0         1         02/14/25           mg/kg         Mg/kg         Analyst: NV	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25         02/14/25           ND         0.0250         1         02/14/25         02/14/25           ND         0.0250         1         02/14/25         02/14/25           ND         0.0500         1         02/14/25         02/14/25           ND         0.0500         1         02/14/25         02/14/25           ND         0.0250         1         02/14/25         02/14/25           83.6 %         70-130         02/14/25         02/14/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25         02/14/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25         0



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS20 @ 0.5' E502117-05

	E302117-03				
Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: SL		Batch: 2507103
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0500	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
	83.3 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	An	alyst: SL		Batch: 2507103
ND	20.0	1	02/14/25	02/15/25	
	94.2 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	An	alyst: NV		Batch: 2507112
ND	25.0	1	02/14/25	02/14/25	
ND	50.0	1	02/14/25	02/14/25	
	104 %	61-141	02/14/25	02/14/25	
mg/kg	mg/kg	An	alyst: DT		Batch: 2507116
138	20.0	1	02/14/25	02/14/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           83.3 %         mg/kg           mg/kg         mg/kg           ND         20.0           94.2 %         mg/kg           ND         25.0           ND         50.0           104 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         An           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           83.3 %         70-130           mg/kg         mg/kg         An           ND         20.0         1           94.2 %         70-130           mg/kg         mg/kg         An           ND         25.0         1           ND         50.0         1           104 %         61-141         61-141           mg/kg         mg/kg         An	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0500         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           Mg/kg         Mg/kg         Analyst: DT	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0500         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           MD         0.0250         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25         02/15/25           ND         50.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS21 @ 0.5' E502117-06

	E302117-00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: SL		Batch: 2507103
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0500	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
	82.7 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	Analys	st: SL		Batch: 2507103
ND	20.0	1	02/14/25	02/15/25	
	94.3 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	Analys	st: NV		Batch: 2507112
ND	25.0	1	02/14/25	02/14/25	
ND	50.0	1	02/14/25	02/14/25	
	105 %	61-141	02/14/25	02/14/25	
mg/kg	mg/kg	Analys	st: DT		Batch: 2507116
278				02/14/25	
	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	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           82.7 %         mg/kg           mg/kg         mg/kg           ND         20.0           94.3 %         mg/kg           ND         25.0           ND         50.0           105 %	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           82.7 %         70-130           mg/kg         mg/kg         Analys           ND         20.0         1           94.3 %         70-130           mg/kg         mg/kg         Analys           ND         25.0         1           ND         50.0         1           105 %         61-141         61-141	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0500         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           ng/kg         mg/kg         Analyst: NV	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0500         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25         02/15/25           ND         50.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS22 @ 0.5' E502117-07

		E302117 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2507103
Benzene	ND	0.0250	1	02/14/25	02/15/25	
thylbenzene	ND	0.0250	1	02/14/25	02/15/25	
oluene	ND	0.0250	1	02/14/25	02/15/25	
-Xylene	ND	0.0250	1	02/14/25	02/15/25	
,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
otal Xylenes	ND	0.0250	1	02/14/25	02/15/25	
urrogate: 4-Bromochlorobenzene-PID		82.8 %	70-130	02/14/25	02/15/25	
Jonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2507103
Sasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	02/14/25	02/15/25	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2507112
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Dil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
urrogate: n-Nonane		104 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2507116
Chloride	217	20.0	1	02/14/25	02/14/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

### FS23 @ 0.5'

E502117-08							
Reporting							
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2507103	
Benzene	ND	0.0250	1	02/14/25	02/15/25		
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25		
Toluene	ND	0.0250	1	02/14/25	02/15/25		
o-Xylene	ND	0.0250	1	02/14/25	02/15/25		
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25		
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25		
Surrogate: 4-Bromochlorobenzene-PID		83.0 %	70-130	02/14/25	02/15/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2507103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	02/14/25	02/15/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2507112	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25		
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25		
Surrogate: n-Nonane		106 %	61-141	02/14/25	02/14/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2507116	
Chloride	223	20.0	1	02/14/25	02/14/25		



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS24 @ 0.5' E502117-09

		E302117-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilution	Frepared	Ananyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2507103
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
o,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.9 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2507112
Diesel Range Organics (C10-C28)	164	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		103 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2507116
Chloride	182	20.0	1	02/14/25	02/14/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS35 @ 0.5' E502117-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2507103
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.0 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2507112
Diesel Range Organics (C10-C28)	65.7	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	163	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		99.7 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2507116
Chloride	447	20.0	1	02/14/25	02/14/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

### FS37 @ 0.5'

		E502117-11				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2507103
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		81.9 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2507112
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		104 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2507116
Chloride	243	20.0	1	02/14/25	02/14/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS38 @ 0.5' E502117-12

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2507103
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0500	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
	81.6 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2507103
ND	20.0	1	02/14/25	02/15/25	
	94.7 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2507112
ND	25.0	1	02/14/25	02/14/25	
ND	50.0	1	02/14/25	02/14/25	
	103 %	61-141	02/14/25	02/14/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2507116
204	20.0	1	02/14/25	02/14/25	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           81.6 %         mg/kg           MD         20.0           94.7 %         mg/kg           ND         25.0           ND         50.0           103 %         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           81.6%         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           94.7%         70-130         1           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           103%         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0500         1         02/14/25           ND         0.0250         1         02/14/25           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           mg/kg         Mg/kg         Analyst: DT	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0500         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           81.6 %         70-130         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25         02/15/25           ND         25.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25         02/14/25           ND



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS39 @ 0.5' E502117-13

	E302117-13				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2507103
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0500	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
	81.9 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	Ana	lyst: SL		Batch: 2507103
ND	20.0	1	02/14/25	02/15/25	
	95.1 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2507112
100	25.0	1	02/14/25	02/14/25	
ND	50.0	1	02/14/25	02/14/25	
	105 %	61-141	02/14/25	02/14/25	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2507116
209	20.0	1	02/14/25	02/14/25	
	mg/kg ND ND ND ND ND ND ND ND 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           MD         0.0250           MD         0.0250           81.9 %         mg/kg           mg/kg         mg/kg           ND         20.0           95.1 %         mg/kg           mg/kg         mg/kg           100         25.0           ND         50.0           105 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           81.9 %         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           95.1 %         70-130         1           mg/kg         mg/kg         Ana           100         25.0         1           ND         50.0         1           105 %         61-141           mg/kg         mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0500         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           mg/kg         mg/kg         Analyst: SL           MD         20.0         1         02/14/25           mg/kg         mg/kg         Analyst: NV           100         25.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           Mg/kg         Mg/kg         Analyst: NV	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0500         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           MD         0.0250         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: SL         ND         02/15/25           mg/kg         mg/kg         Analyst: SL         02/15/25           mg/kg         mg/kg         Analyst: NV         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: NV         02/14/25         02/14/25           nD         50.0         1         02/14/25         02/14/25           nD         50.0         1         02/14/25         02/14/25



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS40 @ 0.5' E502117-14

		E302117-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
,	mg/kg	mg/kg	Anal	yst: SL		Batch: 2507103
Volatile Organics by EPA 8021B	ND	0.0250	1	02/14/25	02/15/25	Batch: 2307103
Benzene			1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1			
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		81.8 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2507112
Diesel Range Organics (C10-C28)	ND	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		103 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2507116
Chloride	288	20.0	1	02/14/25	02/14/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS41 @ 0.5' E502117-15

	1302117 13				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: SL		Batch: 2507103
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0500	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
	81.3 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	Analy	yst: SL		Batch: 2507103
ND	20.0	1	02/14/25	02/15/25	
	96.3 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	Analy	yst: NV		Batch: 2507112
ND	25.0	1	02/14/25	02/14/25	
ND	50.0	1	02/14/25	02/14/25	
	107 %	61-141	02/14/25	02/14/25	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2507116
242	20.0	1	02/14/25	02/14/25	
	mg/kg ND ND ND ND ND ND ND ND ND 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           81.3 %         mg/kg           Mg/kg         mg/kg           ND         20.0           96.3 %         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           81.3 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           96.3 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           107 %         61-141         61-141           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: SL           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0500         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           mg/kg         Mg/kg         Analyst: SL           ND         20.0         1         02/14/25           mg/kg         Mg/kg         Analyst: NV           ND         25.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           Mg/kg         Mg/kg         Analyst: NV	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0500         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25         02/14/25



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS44 @ 0.5' E502117-16

		E302117-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allaryzeu	rvotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2507103
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
p-Xylene	ND	0.0250	1	02/14/25	02/15/25	
o,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		81.0 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2507112
Diesel Range Organics (C10-C28)	38.9	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		104 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2507116
Chloride	674	20.0	1	02/14/25	02/14/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS51 @ 0.5' E502117-17

	E302117-17				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2507103
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
ND	0.0500	1	02/14/25	02/15/25	
ND	0.0250	1	02/14/25	02/15/25	
	81.3 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2507103
ND	20.0	1	02/14/25	02/15/25	
	95.8 %	70-130	02/14/25	02/15/25	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2507112
ND	25.0	1	02/14/25	02/14/25	
ND	50.0	1	02/14/25	02/14/25	
	105 %	61-141	02/14/25	02/14/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2507116
256	20.0	1	02/14/25	02/14/25	
	mg/kg ND ND ND ND ND ND ND ND ND 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           MD         0.0250           MD         0.0250           81.3 %         mg/kg           Mg/kg         mg/kg           ND         20.0           95.8 %         mg/kg           MD         25.0           ND         50.0           105 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           MD         0.0250         1           MD         20.02         1           95.8 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           105 %         61-141         61-141           mg/kg         mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0500         1         02/14/25           ND         0.0250         1         02/14/25           ND         0.0250         1         02/14/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           ND         50.0         1         02/14/25           Mg/kg         Mg/kg         Analyst: NV	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0500         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           ND         0.0250         1         02/14/25         02/15/25           MD         0.0250         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/14/25         02/15/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/14/25         02/15/25           ND         50.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25         02/14/25           ND         50.0         1         02/14/25



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

#### FS52 @ 0.5' E502117-18

		E302117-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2507103
Benzene	ND	0.0250	1	02/14/25	02/15/25	
Ethylbenzene	ND	0.0250	1	02/14/25	02/15/25	
Toluene	ND	0.0250	1	02/14/25	02/15/25	
o-Xylene	ND	0.0250	1	02/14/25	02/15/25	
p,m-Xylene	ND	0.0500	1	02/14/25	02/15/25	
Total Xylenes	ND	0.0250	1	02/14/25	02/15/25	
Surrogate: 4-Bromochlorobenzene-PID		80.9 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2507112
Diesel Range Organics (C10-C28)	31.0	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
Surrogate: n-Nonane		102 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2507116
Chloride	329	20.0	1	02/14/25	02/14/25	



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Dagger State Unit 002 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

Dallas TX, 75240		Project Manager:	As	shley Gioveng	o			2/1	8/2025 9:21:30AN
		Volatile Organics by EPA 8021B							Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2507103-BLK1)						F	Prepared: 02	2/14/25 Anal	yzed: 02/14/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.08		8.00		88.4	70-130			
LCS (2507103-BS1)						F	Prepared: 02	2/14/25 Anal	yzed: 02/14/25
Benzene	5.11	0.0250	5.00		102	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.7	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
p-Xylene	4.95	0.0250	5.00		99.0	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.16		8.00		89.6	70-130			
LCS Dup (2507103-BSD1)						F	repared: 02	2/14/25 Anal	yzed: 02/14/25
Benzene	5.02	0.0250	5.00		100	70-130	1.78	20	
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130	1.62	20	
Toluene	4.96	0.0250	5.00		99.2	70-130	1.94	20	
o-Xylene	4.87	0.0250	5.00		97.4	70-130	1.62	20	
p,m-Xylene	9.87	0.0500	10.0		98.7	70-130	1.54	20	
Total Xylenes	14.7	0.0250	15.0		98.3	70-130	1.57	20	



### **QC Summary Data**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/18/20259:21:30AM

Nonhalogenated	<b>Organics</b>	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 (2507103-BLK1)						Prepared: 0	2/14/25	Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00	92.2	70-130			
LCS (2507103-BS2)						Prepared: 0	2/14/25	Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	97.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00	94.2	70-130			
LCS Dup (2507103-BSD2)						Prepared: 0	2/14/25	Analyzed: 02/14/25
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	90.6	70-130	6.98	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00	95.2	70-130			



# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/18/2025 9:21:30AM

Danas 1A, 73240		Froject Manage	i. As	siliey Glovelig	30			2/1	6/2023 9.21.30AW
	Nonha		Analyst: NV						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2507112-BLK1)							Prepared: 0	2/14/25 Anal	yzed: 02/14/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.7		50.0		99.4	61-141			
LCS (2507112-BS1)							Prepared: 0	2/14/25 Anal	yzed: 02/14/25
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	52.8		50.0		106	61-141			
LCS Dup (2507112-BSD1)							Prepared: 0	2/14/25 Anal	yzed: 02/14/25
Diesel Range Organics (C10-C28)	256	25.0	250		102	66-144	2.36	20	
Surrogate: n-Nonane	52.4		50.0		105	61-141			



Chloride

Matrix Spike Dup (2507116-MSD1)

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: :	Dagger State U 23003-0002 Ashley Gioven				2	<b>Reported:</b> 2/18/2025 9:21:30AM
		Anions	by EPA	300.0/9056	4				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 (2507116-BLK1)							Prepared: 0	2/14/25 An	nalyzed: 02/14/25
Chloride	ND	20.0							
LCS (2507116-BS1)							Prepared: 0	2/14/25 An	nalyzed: 02/14/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2507116-MS1)				Source:	E502117-	07	Prepared: 0	2/14/25 An	nalyzed: 02/14/25
Chloride	484	20.0	250	217	107	80-120			

250

Source: E502117-07

105

80-120

0.798

217

20.0

480

#### 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: 02/14/25 Analyzed: 02/14/25

20

### **Definitions and Notes**

ſ	Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
1	Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/18/25 09:21

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



#### **Chain of Custody**

Released to Imaging: 4/1/2025 1:37:36 PM

	Chain of C	Custody	,										Page	1_of_Z
Client Information	Invoice Information		<u> </u>		Lab U	se Or	nlv			_	TAT		State	eiv
Client: Matador	Company: Ensolum LLC		Lab M				Num	her	$\dashv$	1D		Std	NM CO UT TX	ed
Project: Dagger State Unit 002	Address: 3122 National Parks Hwy		Lab W	ヘクル	17	231	<b>ነሳ</b> 3	m	<b>7</b>	-	-	X	X J J	by:
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220				Щ.	<u> </u>	1/9	<del></del>					· · · · · · · · · · · · · · · · · · ·	0
Address: 3122 National Parks Hwy	Phone: 575-988-0055	·	۱ г			Ana	lysis	and	Meti	nod			EPA Program	$\mathcal{C}$
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com				$\top$	T	, I		一		Т		SDWA CWA RCRA	ن
Phone: 575-988-0055	Miscellaneous:		1 1			İ			i					11
Email: agiovengo@ensolum.com	- Wilderiche Gods.			ب ا م	١	İ							Compliance Y or N	2
			'	8015	<b>2</b>   _		ا ہ ا	_	ιl	됩			PWSID#	02:
Sai	mple Information		$\neg$	<u>6</u> 6	802   5	828	8	ž	7.5	Meta				5 7.
Time Sampled Date Sampled Matrix No. of Containers	Sample ID	Field Filter In Nu	ab nber	DRO/ORO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks	eived by OCD: 3/10/2025 7:52:50 AM
1222 2.12.25 5 1 FS	12 Q 0.5'		l					X						) AM
1216 2-12-25 5 1 FS	19 @ 0.5'	2	2			ļ		X						1
1211 2-12-25 5 1 FS		3						×						_
1224 2-12-25 5 1 FS	19 @ 0.5'	<u>                                     </u>	•			<u> </u>		X						]
1225 2428 5 1 FS	20 @ 0.5'	5	う	$\perp$	$\perp$			X						<u> </u>
1217 2-12-25 5 1 FS		4						x						) jo 6:
1212 2-12-26 5 1 FS	22 @ 0.5'	7	<u>'</u>					X						Page 29 of 31
1219 2-12-25 5 1 FS	23 @ 0.5'	8						χ						<u> </u>
1213 2-12-25 5 1 FS	24 @ 0.5'	9				<u> </u>		۴						
1206 2-12-25 5 1 FS	35 @ 0.5'	10	2				<u> </u>	×						
Additional Instructions: Please CC: agiovenge	o@ensolum.com, chamilton@ensolum.com, ie	strella@e	ensolu	m.cor	n, bsir	nmor	rs@e	nsolu	ım.c	om, jį	gonzal	ez@eı	nsolum.com	
l, (field sampler), attest to the validity and authenticity of this sar Sampled by:Higinio Gonzalez	nple. I am aware that tampering with or intentionally mislabeling	the sample lo	ocation,	date or	time of c	ollectio	n is co	nsidere	d frau	d and m	nay be gr	ounds fo	r legal action.	<u> </u>
Relinquished by: (Signature) Date Z-13-25	0800 Michelle Gonzales	2.13 -	<b>)</b>	Lime 8	$\infty$				d or re	ceived p			nust be received on ice the day they are  g temp above 0 but less than 6 °C on	
Wichele Gonzales 213.2	Time Received by (Signature)	<sup>Daty</sup> .13	. 27	Time	130			İ		on ic	:e: <i>(</i>	Lab U	se Only N	
Relinchished by: (Signature) Date 2.13.2	Time Received by: (Signature)	2.14.	25	Time 8	70			<u>T1</u> _			_ I	ン ゚	<u>T3</u>	
Relinquished by: (Signature) Date	Time Received by Island for	Date		Time				AVG			4	_		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - O		Containe					plasti	c, ag	amt	er gla				] ~
Note: Samples are discarded 14 days after results are rep samples is applicable only to those samples received by t	orted unless other arrangements are made. Hazardous sar he laboratory with this COC. The liability of the laboratory	mples will b is limited to	e returi o the an	ned to nount p	client o paid for	on the	sed of repo	at the t.	clien	t expe	nse. The	e report	t for the analysis of the above	Page



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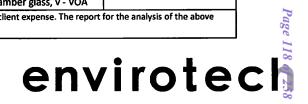
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Page $\mathbb{Z}$ of $\mathbb{Z}$	2
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	Clie	nt Inform	nation			Invoice In	formation					Lab (	Jse O	nly		Ì		T/	<b>ΔT</b>			State	•
Client: M	atador	-				Company: Ensolum L	LC		La	b WC	)#			Num			1D	2D	3D	Std	NM	CO UT	TX
	Dagger State					Address: 3122 Nation			E	72	<u> </u>		Z	icos	06	Q				Х	Х		
	<u> Ianager: Asl</u>				_	City, State, Zip: Carlsi		0												_			
	3122 Nation					Phone: 575-988-005				$\vdash$			An	alysis	and	Meti	nod					A Progra	RCRA
	e, Zip: Carls		88220			Email: agiovengo@	ensolum.com														SDWA	CWA	RCRA
	575-988-005! giovengo@e		om			Miscellaneous:			1			1									Compliand	e Y	or N
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				Sam	ple Infor	mation				<u>ة</u> ا	1	y   5	3560	98	Σ	5-TX	Vetal						
Time Sampled	Date Sampled	Matrix	No. of Containers		-	Sample ID	-	Field	Lab Numbe	TE		GRO/DRO By 8015	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remarks	
1201	2-12-8	4	1	FS	37	@ 0.5'			11						×								
1208	2-12-25	5	1	FS	38	@ 0.5'			12						x								
1209	2 1285	5	1	FS	39	@ 0.5'			13						X								
1203	2-12-25	5	1	FS	40	@ 0.51			14						×								
1205		5	١	FS	41	@ 0.5'			15						×								
1228	2-12-25	6	1	FS	44	@0.5'			16						x								
1157	2-12-25	ς	١	FS	91	@0.5'			17						X								
1230	242-25	5	١	FS	52	@ 0.51		<u> </u>	18						×								
Addition	al Instructio	ns: Plea	ase CC: ag	iovengo	@ensolu	m.com, chamilton@ens	olum.com, ie	strell	a@enso	olum	.con	n, bsi	mmo	ns@e	nsol	um.c	om, j	igon	zalez	@en	solum.co	m 	
I, (field samp Sampled by:			l authenticity	of this sam	ple. I am awa	are that tampering with or intent	tionally mislabeling	the sar	mple locati	on, dat	te or t	time of	collecti	on is co	nsider	ed frau	d and	may b	e groui	nds for	r legal action.		
	ed by N (Signatur			-13-25	Time OSOC		onsales		<u> 242</u>		30	<u> </u>			sampl		ceived				ust be received g temp above 0		
Wic		onsal	es Date	13-25	Time 30	Received by: Bignatu	re)	Date 2.	13.2	Tim	ne 	23	<u>,</u>		Rec	eived	on i	ice:		ab Us	se Only I		
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	ed by: (Signatui		Date		Time	Received by: (Signatu	re)	Date		Tim	ne					Tem			4		·		
	rix: S - Soil, Sd - S						de Hennadaya		tainer Ty												for the end	ia af sh a	ahaya
						other arrangements are made with this COC. The liability										e citen	к ехр	ense.	ine re	eport	ior the anal	ysis of the	anove





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### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	02/14/25	08:00		Work Order ID:	E502117
Phone:	(972) 371-5200	Date Logged In:	02/13/25	15:53		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Oue Date:	02/20/25	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location match	h the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes				
5. Were	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes			<u>Commen</u>	ts/Resolution
Sample	Turn Around Time (TAT)						
6. Did th	ne 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	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i.  Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample to	received w/i 15	Yes				
		imperature. 4	<u> </u>				
	Container aqueous 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 containe	rs collected?	Yes				
Field La	· · · · · · · · · · · · · · · · · · ·						
	e field sample labels filled out with the minimum inform	mation:					
	Sample ID?		Yes				
	Date/Time Collected?		Yes				
	Collectors name?		Yes				
	Preservation	10					
	s the COC or field labels indicate the samples were pres	served?	No				
	sample(s) correctly preserved?	. 1.0	NA				
	o filteration required and/or requested for dissolved me	tais?	No				
	ase Sample Matrix	_					
	s the sample have more than one phase, i.e., multiphase		No				
27. If ye	s, does the COC specify which phase(s) is to be analyz	ed?	NA				
	ract Laboratory						
	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No NA	Subcontract Lab	o: NA		
Client l	<u>Instruction</u>						
1							

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

### **Analytical Report**

Matador Resources, LLC.

Project Name: Dagger State Unit 002

Work Order: E502144

Job Number: 23003-0002

Received: 2/17/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/21/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/21/25

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

Project Name: Dagger State Unit 002

Workorder: E502144

Date Received: 2/17/2025 8:00:33AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/17/2025 8:00:33AM, under the Project Name: Dagger State Unit 002.

The analytical test results summarized in this report with the Project Name: Dagger State Unit 002 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

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Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

### **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS53-0.5'	6
FS54-0.5'	7
FS55-0.5'	8
FS56-0.5'	9
FS57-0.5'	10
FS58-0.5'	11
FS59-0.5'	12
FS60-0.5'	13
FS61-0.5'	14
FS63-0.5'	15
FS64-0.5'	16
FS65-0.5'	17
FS66-0.5'	18
FS67-0.5'	19
FS30-0'	20
FS31-0'	21
FS32-0'	22
FS33-0'	23
FS42-0.5'	24
FS43-0'	25

# Table of Contents (continued)

	FS45-0'	26
	FS46-0'	27
	FS48-0'	28
	FS49-0'	29
	FS50-0'	30
Q	C Summary Data	31
	QC - Volatile Organic Compounds by EPA 8260B	31
	QC - Volatile Organics by EPA 8021B	32
	QC - Nonhalogenated Organics by EPA 8015D - GRO	33
	QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	35
	QC - Anions by EPA 300.0/9056A	37
D	efinitions and Notes	39
CI	nain of Custody etc.	40

#### **Sample Summary**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo02/21/25 09:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS53-0.5'	E502144-01A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS54-0.5'	E502144-02A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS55-0.5'	E502144-03A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS56-0.5'	E502144-04A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS57-0.5'	E502144-05A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS58-0.5'	E502144-06A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS59-0.5'	E502144-07A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS60-0.5'	E502144-08A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS61-0.5'	E502144-09A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS63-0.5'	E502144-10A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS64-0.5'	E502144-11A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS65-0.5'	E502144-12A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS66-0.5'	E502144-13A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS67-0.5'	E502144-14A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS30-0'	E502144-15A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS31-0'	E502144-16A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS32-0'	E502144-17A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS33-0'	E502144-18A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS42-0.5'	E502144-19A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS43-0'	E502144-20A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS45-0'	E502144-21A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS46-0'	E502144-22A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS47-0'	E502144-23A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS48-0'	E502144-24A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS49-0'	E502144-25A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.
FS50-0'	E502144-26A	Soil	02/13/25	02/17/25	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS53-0.5' E502144-01

	E302144-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: SL		Batch: 2508020
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0500	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
	84.1 %	70-130	02/17/25	02/18/25	
mg/kg	mg/kg	Analy	st: SL		Batch: 2508020
ND	20.0	1	02/17/25	02/18/25	
	94.4 %	70-130	02/17/25	02/18/25	
mg/kg	mg/kg	Analy	st: KH		Batch: 2508031
ND	25.0	1	02/17/25	02/18/25	
ND	50.0	1	02/17/25	02/18/25	
	115 %	61-141	02/17/25	02/18/25	
mg/kg	mg/kg	Analy	vst: DT		Batch: 2508033
311	20.0	1	02/17/25	02/18/25	
	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           84.1 %         mg/kg           MD         20.0           94.4 %         mg/kg           ND         25.0           ND         50.0           115 %         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           84.1 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           94.4 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           115 %         61-141         61-141           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: SL           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0500         1         02/17/25           ND         0.0250         1         02/17/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/17/25           mg/kg         mg/kg         Analyst: KH           ND         25.0         1         02/17/25           ND         50.0         1         02/17/25           ND         50.0         1         02/17/25           ND         50.0         1         02/17/25           mg/kg         Mg/kg         Analyst: KH	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           ND         0.0500         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/17/25         02/18/25           mg/kg         mg/kg         Analyst: KH           ND         25.0         1         02/17/25         02/18/25           ND         50.0         1         02/17/25

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS54-0.5' E502144-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/18/25	
Toluene	ND	0.0250	1	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/18/25	
Surrogate: 4-Bromochlorobenzene-PID		83.9 %	70-130	02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/18/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		106 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508033
Chloride	450	20.0	1	02/17/25	02/18/25	·



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS55-0.5' E502144-03

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
ND	0.0500	1	02/17/25	02/18/25	
ND	0.0250	1	02/17/25	02/18/25	
	82.8 %	70-130	02/17/25	02/18/25	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
ND	20.0	1	02/17/25	02/18/25	
	95.0 %	70-130	02/17/25	02/18/25	
mg/kg	mg/kg	Anal	yst: KH		Batch: 2508031
ND	25.0	1	02/17/25	02/18/25	
ND	50.0	1	02/17/25	02/18/25	
	111 %	61-141	02/17/25	02/18/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2508033
552	20.0	1	02/17/25	02/18/25	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           RD         0.0250           82.8 %         mg/kg           MD         20.0           95.0 %         mg/kg           ND         25.0           ND         50.0           III %         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           82.8 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           95.0 %         70-130         mg/kg           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           111 %         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0500         1         02/17/25           ND         0.0250         1         02/17/25           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/17/25           mg/kg         mg/kg         Analyst: KH           ND         25.0         1         02/17/25           ND         50.0         1         02/17/25           ND         50.0         1         02/17/25           ND         50.0         1         02/17/25           mg/kg         Mg/kg         Analyst: KH	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           ND         0.0500         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           ND         0.0250         1         02/17/25         02/18/25           MD         0.0250         1         02/17/25         02/18/25           mg/kg         mg/kg         Analyst: SL           MD         20.0         1         02/17/25         02/18/25           mg/kg         mg/kg         Analyst: KH           ND         25.0         1         02/17/25         02/18/25           ND         25.0         1         02/17/25         02/18/25           ND         50.0         1         02/17/25         02/18/25           ND         50.0         1         02/17/25         02/18/25 <td< td=""></td<>



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS56-0.5' E502144-04

	E302144-04				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	lyst: SL	<u>-</u>	Batch: 2508020
ND	0.0250	1	02/17/25	02/19/25	
ND	0.0250	1	02/17/25	02/19/25	
ND	0.0250	1	02/17/25	02/19/25	
ND	0.0250	1	02/17/25	02/19/25	
ND	0.0500	1	02/17/25	02/19/25	
ND	0.0250	1	02/17/25	02/19/25	
	83.1 %	70-130	02/17/25	02/19/25	
mg/kg	mg/kg	Ana	Analyst: SL		Batch: 2508020
ND	20.0	1	02/17/25	02/19/25	
	93.9 %	70-130	02/17/25	02/19/25	
mg/kg	mg/kg	Ana	lyst: KH		Batch: 2508031
206	25.0	1	02/17/25	02/18/25	
108	50.0	1	02/17/25	02/18/25	
	101 %	61-141	02/17/25	02/18/25	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2508033
180	20.0	1	02/17/25	02/18/25	
	mg/kg ND ND ND ND ND ND ND ND 10 10 10 10 10 10 10 10 10 10 10 10 10	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           83.1 %         mg/kg           mg/kg         mg/kg           ND         20.0           93.9 %         mg/kg           mg/kg         mg/kg           108         50.0           101 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           mg/kg         mg/kg         Ana           ND         20.0         1           93.9 %         70-130         70-130           mg/kg         mg/kg         Ana           206         25.0         1           108         50.0         1           101 %         61-141           mg/kg         mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0500         1         02/17/25           ND         0.0250         1         02/17/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/17/25           mg/kg         mg/kg         Analyst: KH           206         25.0         1         02/17/25           108         50.0         1         02/17/25           mg/kg         Mg/kg         Analyst: KH	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/17/25         02/19/25           ND         0.0250         1         02/17/25         02/19/25           ND         0.0250         1         02/17/25         02/19/25           ND         0.0500         1         02/17/25         02/19/25           ND         0.0250         1         02/17/25         02/19/25           ND         0.0250         1         02/17/25         02/19/25           ND         0.0250         1         02/17/25         02/19/25           mg/kg         mg/kg         Analyst: SL         02/19/25           mg/kg         mg/kg         Analyst: SL         02/19/25           mg/kg         mg/kg         Analyst: KH         02/17/25         02/19/25           mg/kg         mg/kg         Analyst: KH         02/17/25         02/18/25           108         50.0         1         02/17/25         02/18/25           mg/kg         mg/kg         Analyst: DT         02/18/25



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS57-0.5' E502144-05

		2002111 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		82.6 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		112 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508033
Chloride	1260	20.0	1	02/17/25	02/18/25	

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS58-0.5' E502144-06

		1302144 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
oluene	ND	0.0250	1	02/17/25	02/19/25	
-Xylene	ND	0.0250	1	02/17/25	02/19/25	
o,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		82.9 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		106 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2508033
Chloride	183	20.0	1	02/17/25	02/18/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS59-0.5' E502144-07

		E302177-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Foluene Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
o,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		84.9 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	349	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		112 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2508033
Chloride	658	20.0	1	02/17/25	02/18/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS60-0.5' E502144-08

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
ND	0.0250	1	02/17/25	02/19/25	
ND	0.0250	1	02/17/25	02/19/25	
ND	0.0250	1	02/17/25	02/19/25	
ND	0.0250	1	02/17/25	02/19/25	
ND	0.0500	1	02/17/25	02/19/25	
ND	0.0250	1	02/17/25	02/19/25	
	82.6 %	70-130	02/17/25	02/19/25	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
ND	20.0	1	02/17/25	02/19/25	
	93.8 %	70-130	02/17/25	02/19/25	
mg/kg	mg/kg	Anal	yst: KH		Batch: 2508031
ND	25.0	1	02/17/25	02/18/25	
ND	50.0	1	02/17/25	02/18/25	
	108 %	61-141	02/17/25	02/18/25	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2508033
897	20.0	1	02/17/25	02/18/25	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           82.6 %         mg/kg           ND         20.0           93.8 %         mg/kg           ND         25.0           ND         50.0           108 %         mg/kg           mg/kg         mg/kg	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           MD         0.0250         1           82.6 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           93.8 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           108 %         61-141           mg/kg         mg/kg         Anal	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0250         1         02/17/25           ND         0.0500         1         02/17/25           ND         0.0250         1         02/17/25           mg/kg         mg/kg         Analyst: SL           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/17/25           mg/kg         mg/kg         Analyst: KH           ND         25.0         1         02/17/25           ND         50.0         1         02/17/25           ND         50.0         1         02/17/25           Mg/kg         Mg/kg         Analyst: KH	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/17/25         02/19/25           ND         0.0250         1         02/17/25         02/19/25           ND         0.0250         1         02/17/25         02/19/25           ND         0.0500         1         02/17/25         02/19/25           ND         0.0500         1         02/17/25         02/19/25           ND         0.0250         1         02/17/25         02/19/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/17/25         02/19/25           mg/kg         mg/kg         Analyst: SL         02/19/25           mg/kg         mg/kg         Analyst: SL         02/19/25           mg/kg         mg/kg         Analyst: KH         02/17/25         02/19/25           ND         25.0         1         02/17/25         02/18/25           ND         50.0         1         02/17/25         02/18/25           ND         50.0         1         02/17/25         02/18/25



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS61-0.5' E502144-09

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		81.4 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	522	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	810	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		104 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508033
Chloride	4370	40.0	2	02/17/25	02/18/25	·



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS63-0.5' E502144-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		80.1 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	130	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	111	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		105 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508033
Chloride	4990	40.0	2	02/17/25	02/18/25	·



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS64-0.5' E502144-11

		2002177 11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
o,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		81.3 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	561	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	654	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		112 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508033
Chloride	7360	100	5	02/17/25	02/18/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS65-0.5' E502144-12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		79.8 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	1020	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	671	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		108 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508033
Chloride	3310	40.0	2	02/17/25	02/18/25	·



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS66-0.5' E502144-13

		1302144 15				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
p-Xylene	ND	0.0250	1	02/17/25	02/19/25	
o,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		79.5 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	40.8	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		100 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2508033
Chloride	1710	20.0	1	02/17/25	02/18/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS67-0.5' E502144-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		80.5 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	230	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	198	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		109 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2508033
Chloride	5530	40.0	2	02/17/25	02/18/25	



Chloride

### **Sample Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS30-0'

		E502144-15				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		79.0 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	624	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	174	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		111 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2508033

40.0

2650

2

02/17/25

02/18/25



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

### FS31-0'

E502144-16							
Reporting							
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2508020	
Benzene	ND	0.0250	1	02/17/25	02/19/25		
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25		
Toluene	ND	0.0250	1	02/17/25	02/19/25		
o-Xylene	ND	0.0250	1	02/17/25	02/19/25		
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25		
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25		
Surrogate: 4-Bromochlorobenzene-PID		79.9 %	70-130	02/17/25	02/19/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2508020	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	02/17/25	02/19/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KH		Batch: 2508031	
Diesel Range Organics (C10-C28)	101	25.0	1	02/17/25	02/18/25		
Oil Range Organics (C28-C36)	273	50.0	1	02/17/25	02/18/25		
Surrogate: n-Nonane		109 %	61-141	02/17/25	02/18/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2508033	
Chloride	3130	40.0	2	02/17/25	02/18/25		



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS32-0'

E50	121	44	-1	7

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		79.2 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	ND	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		95.7 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508033



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS33-0'

#### E502144-18

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		79.2 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	210	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	419	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		106 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2508033
Chloride	4920	40.0	2	02/17/25	02/18/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS42-0.5' E502144-19

		L302144 17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
o,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		80.1 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2508031
Diesel Range Organics (C10-C28)	38.5	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		112 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2508033
Chloride	1140	20.0	1	02/17/25	02/18/25	



Chloride

### **Sample Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

#### FS43-0'

		E502144-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: SL		Batch: 2508020
Benzene	ND	0.0250	1	02/17/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/17/25	02/19/25	
Toluene	ND	0.0250	1	02/17/25	02/19/25	
o-Xylene	ND	0.0250	1	02/17/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/17/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/17/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		78.7 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508020
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/17/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	02/17/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2508031
Diesel Range Organics (C10-C28)	185	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	340	50.0	1	02/17/25	02/18/25	
Surrogate: n-Nonane		109 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508033

40.0

5420

2

02/17/25

02/18/25



Matador Resources, LLC.Project Name:Dagger State Unit 0025400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:30:08AM

#### FS45-0'

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2508019
Benzene	ND	0.0250		1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250		1	02/17/25	02/18/25	
Toluene	ND	0.0250		1	02/17/25	02/18/25	
o-Xylene	ND	0.0250		1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500		1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250		1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		103 %	70-130		02/17/25	02/18/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		02/17/25	02/18/25	
Surrogate: Toluene-d8		103 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		103 %	70-130		02/17/25	02/18/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		02/17/25	02/18/25	
Surrogate: Toluene-d8		103 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2508030
Diesel Range Organics (C10-C28)	ND	25.0		1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/17/25	02/19/25	
Surrogate: n-Nonane		116 %	61-141		02/17/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2508036
	1650	40.0		2	02/18/25	02/18/25	·

Matador Resources, LLC.Project Name:Dagger State Unit 0025400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:30:08AM

#### FS46-0'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2508019
Benzene	ND	0.0250		1	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250		1	02/17/25	02/18/25	
Toluene	ND	0.0250		1	02/17/25	02/18/25	
o-Xylene	ND	0.0250		1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500		1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	Ī	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		102 %	70-130		02/17/25	02/18/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/17/25	02/18/25	
Surrogate: Toluene-d8		102 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		102 %	70-130		02/17/25	02/18/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/17/25	02/18/25	
Surrogate: Toluene-d8		102 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2508030
Diesel Range Organics (C10-C28)	28.5	25.0		1	02/17/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/17/25	02/19/25	
Surrogate: n-Nonane		112 %	61-141		02/17/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2508036
Chloride	3310	40.0		2	02/18/25	02/18/25	

Matador Resources, LLC.Project Name:Dagger State Unit 0025400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:30:08AM

#### FS48-0'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2508019
Benzene	ND	0.0250	1	l	02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1	l	02/17/25	02/18/25	
Toluene	ND	0.0250	1	l	02/17/25	02/18/25	
o-Xylene	ND	0.0250	1	1	02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1	1	02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1	l	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		103 %	70-130		02/17/25	02/18/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/17/25	02/18/25	
Surrogate: Toluene-d8		102 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	SL		Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		103 %	70-130		02/17/25	02/18/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		02/17/25	02/18/25	
Surrogate: Toluene-d8		102 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2508030
Diesel Range Organics (C10-C28)	290	25.0	1		02/17/25	02/19/25	
Oil Range Organics (C28-C36)	617	50.0	1	[	02/17/25	02/19/25	
Surrogate: n-Nonane		113 %	61-141		02/17/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2508036
		100	5		02/18/25	02/18/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

### FS49-0'

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: S	SL		Batch: 2508019
Benzene	ND	0.0250	1		02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1		02/17/25	02/18/25	
Toluene	ND	0.0250	1		02/17/25	02/18/25	
o-Xylene	ND	0.0250	1		02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1		02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1		02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		103 %	70-130		02/17/25	02/18/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		02/17/25	02/18/25	
Surrogate: Toluene-d8		103 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: S	SL		Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		103 %	70-130		02/17/25	02/18/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		02/17/25	02/18/25	
Surrogate: Toluene-d8		103 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: 1	NV		Batch: 2508030
Diesel Range Organics (C10-C28)	695	25.0	1		02/17/25	02/19/25	
Oil Range Organics (C28-C36)	477	50.0	1		02/17/25	02/19/25	
Surrogate: n-Nonane		119 %	61-141		02/17/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: 1	DT		Batch: 2508036



Matador Resources, LLC.Project Name:Dagger State Unit 0025400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:30:08AM

#### FS50-0'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst:	SL		Batch: 2508019
Benzene	ND	0.0250	1		02/17/25	02/18/25	
Ethylbenzene	ND	0.0250	1		02/17/25	02/18/25	
Toluene	ND	0.0250	1		02/17/25	02/18/25	
o-Xylene	ND	0.0250	1		02/17/25	02/18/25	
p,m-Xylene	ND	0.0500	1		02/17/25	02/18/25	
Total Xylenes	ND	0.0250	1		02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		101 %	70-130		02/17/25	02/18/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		02/17/25	02/18/25	
Surrogate: Toluene-d8		101 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst:	SL		Batch: 2508019
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/17/25	02/18/25	
Surrogate: Bromofluorobenzene		101 %	70-130		02/17/25	02/18/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		02/17/25	02/18/25	
Surrogate: Toluene-d8		101 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	NV		Batch: 2508030
Diesel Range Organics (C10-C28)	146	25.0	1		02/17/25	02/19/25	
Oil Range Organics (C28-C36)	190	50.0	1		02/17/25	02/19/25	
Surrogate: n-Nonane		112 %	61-141		02/17/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	DT		Batch: 2508036
	3840	40.0	2		02/18/25	02/18/25	



Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:30:08AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			2/	21/2025 9:30:08AM
	Vo	olatile Organ	ic Compo	unds by El	PA 82601	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 (2508019-BLK1)							Prepared: 02	2/17/25 Ana	alyzed: 02/18/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			
LCS (2508019-BS1)							Prepared: 02	2/17/25 Ana	alyzed: 02/18/25
Benzene	2.24	0.0250	2.50		89.7	70-130			
Ethylbenzene	2.26	0.0250	2.50		90.3	70-130			
Toluene	2.35	0.0250	2.50		94.1	70-130			
o-Xylene	2.29	0.0250	2.50		91.7	70-130			
p,m-Xylene	4.76	0.0500	5.00		95.1	70-130			
Total Xylenes	7.05	0.0250	7.50		94.0	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			
LCS Dup (2508019-BSD1)							Prepared: 02	2/17/25 Ana	alyzed: 02/18/25
Benzene	2.26	0.0250	2.50		90.4	70-130	0.844	23	
Ethylbenzene	2.25	0.0250	2.50		89.9	70-130	0.533	27	
Toluene	2.34	0.0250	2.50		93.7	70-130	0.426	24	
o-Xylene	2.34	0.0250	2.50		93.6	70-130	1.99	27	
p,m-Xylene	4.79	0.0500	5.00		95.8	70-130	0.786	27	
Total Xylenes	7.13	0.0250	7.50		95.1	70-130	1.18	27	
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			

0.500

0.500

102

101

70-130

70-130



Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.512

0.503

Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

Dallas TX, 75240		Project Manager:	As	shley Gioveng	o,			2	2/21/2025 9:30:08AM
		Volatile O	rganics b	y EPA 802	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508020-BLK1)							Prepared: 0	2/17/25 An	alyzed: 02/18/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			
LCS (2508020-BS1)							Prepared: 0	2/17/25 An	alyzed: 02/18/25
Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.14	0.0250	5.00		103	70-130			
Toluene	5.28	0.0250	5.00		106	70-130			
p-Xylene	5.14	0.0250	5.00		103	70-130			
o,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.80		8.00		85.1	70-130			
LCS Dup (2508020-BSD1)							Prepared: 0	2/17/25 An	alyzed: 02/18/25
Benzene	5.68	0.0250	5.00		114	70-130	5.28	20	
Ethylbenzene	5.43	0.0250	5.00		109	70-130	5.39	20	
Toluene	5.57	0.0250	5.00		111	70-130	5.43	20	
o-Xylene	5.42	0.0250	5.00		108	70-130	5.27	20	
o,m-Xylene	11.0	0.0500	10.0		110	70-130	5.40	20	
Total Xylenes	16.4	0.0250	15.0		109	70-130	5.36	20	



Gasoline Range Organics (C6-C10)

 ${\it Surrogate: Bromofluor obenzene}$ 

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

### **QC Summary Data**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:30:08AM

Nonhalogenated	Organics by	<b>EPA</b>	.8015D -	GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2508019-BLK1)							Prepared: 02	2/17/25 Analy	yzed: 02/18/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			
LCS (2508019-BS2)							Prepared: 02	2/17/25 Analy	yzed: 02/18/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			
LCS Dup (2508019-BSD2)							Prepared: 02	2/17/25 Analy	yzed: 02/18/25

0.500

0.500

0.500

102

105

99.7

103

70-130

70-130

70-130

70-130

2.50

51.0

0.523

0.499

0.514

20.0

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:30:08AM

Nonhalogenated Organics by	EPA 8015D - GRO
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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 (2508020-BLK1)						Prepared: 02	2/17/25	Analyzed: 02/18/25
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00	93.8	70-130			
LCS (2508020-BS2)						Prepared: 02	2/17/25	Analyzed: 02/18/25
Gasoline Range Organics (C6-C10)	40.6	20.0	50.0	81.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00	94.1	70-130			
LCS Dup (2508020-BSD2)						Prepared: 02	2/17/25	Analyzed: 02/18/25
Gasoline Range Organics (C6-C10)	40.8	20.0	50.0	81.5	70-130	0.475	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00	94.8	70-130			



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	_
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

Dallas 1X, /5240		Project Manage	r: As	niey Gioveng	go				2/21/2025 9:30:08AN
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508030-BLK1)							Prepared: 0	2/17/25 A	nalyzed: 02/18/25
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	56.3		50.0		113	61-141			
CS (2508030-BS1)							Prepared: 0	2/17/25 A	nalyzed: 02/18/25
riesel Range Organics (C10-C28)	306	25.0	250		122	66-144			
urrogate: n-Nonane	61.0		50.0		122	61-141			
Matrix Spike (2508030-MS1)				Source:	E502143-0	09	Prepared: 0	2/17/25 A	nalyzed: 02/18/25
riesel Range Organics (C10-C28)	304	25.0	250	ND	122	56-156			
urrogate: n-Nonane	59.0		50.0		118	61-141			
Matrix Spike Dup (2508030-MSD1)				Source:	E502143-0	09	Prepared: 0	2/17/25 A	nalyzed: 02/19/25
tiesel Range Organics (C10-C28)	308	25.0	250	ND	123	56-156	1.14	20	
urrogate: n-Nonane	60.7		50.0		121	61-141			

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/21/20259:30:08AM

Bullus 171, 732 10		Troject Manage		iney Groveng	-				
	Nonha		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 (2508031-BLK1)							Prepared: 0	2/17/25 Anal	yzed: 02/18/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.5		50.0		113	61-141			
LCS (2508031-BS1)							Prepared: 0	2/17/25 Anal	yzed: 02/18/25
Diesel Range Organics (C10-C28)	273	25.0	250		109	66-144			
Surrogate: n-Nonane	56.3		50.0		113	61-141			
Matrix Spike (2508031-MS1)				Source:	E502144-	17	Prepared: 0	2/17/25 Anal	yzed: 02/18/25
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	56-156			
Surrogate: n-Nonane	55.7		50.0		111	61-141			
Matrix Spike Dup (2508031-MSD1)				Source:	E502144-	17	Prepared: 0	2/17/25 Anal	yzed: 02/18/25
Diesel Range Organics (C10-C28)	281	25.0	250	ND	113	56-156	0.758	20	
Surrogate: n-Nonane	56.1		50.0		112	61-141			

Chloride

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Dagger State Unit 002 23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/21/2025 9:30:08AM

Dallas TX, 75240		Project Manager	r: As	shley Gioveng	go			2	2/21/2025 9:30:08AM	i
		Anions	by EPA 3			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 (2508033-BLK1)							Prepared: 0	2/17/25 An	nalyzed: 02/18/25	
Chloride	ND	20.0								
LCS (2508033-BS1)							Prepared: 0	2/17/25 An	nalyzed: 02/18/25	
Chloride	257	20.0	250		103	90-110				
Matrix Spike (2508033-MS1)				Source:	E502144-	03	Prepared: 0	2/17/25 An	nalyzed: 02/18/25	
Chloride	790	20.0	250	552	95.1	80-120				
Matrix Spike Dup (2508033-MSD1)				Source:	E502144-	03	Prepared: 0	2/17/25 An	nalyzed: 02/18/25	

250

20.0

91.6

80-120

1.10

20

552



Matrix Spike Dup (2508036-MSD1)

Chloride

38500

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	: 23	agger State U1 8003-0002 shley Gioveng					<b>Reported:</b> 2/21/2025 9:30:08AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				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 (2508036-BLK1)							Prepared: 02	2/18/25 Aı	nalyzed: 02/18/25
Chloride	ND	20.0							
LCS (2508036-BS1)							Prepared: 02	2/18/25 Aı	nalyzed: 02/18/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2508036-MS1)				Source:	E502153-	03	Prepared: 02	2/18/25 Aı	nalyzed: 02/18/25
Chloride	40700	2000	250	39200	574	80-120			M4

250

2000

Source: E502153-03

NR

80-120

5.46

39200

#### 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: 02/18/25 Analyzed: 02/18/25

20

### **Definitions and Notes**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/21/25 09:30

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.



Phone: 575-988-0055

Sampled

1017

1016

0907

1013

0904

Sampled by: \_\_

Email: agiovengo@ensolum.com

**Date Sampled** 

2-13-25

2-13-25

2-13-25 2-13-25

0905 2-13-25

09012-13-25

Higinio Gonzalez

No. of

Containers

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

, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with

Matrix

Miscellaneous:

Sample ID

Sample Information

Received by OCD; 3/10/2025 7:52:50 AM

Chain of	Cust	ody																Page	-
oice Information					Li	b U	se Or	rly				T	AT				State		
olum LLC National Parks Hw Carlsbad NM, 882			Lab	WO# DZ	14	1	炒	Num 203	ber	2	1D	2D	3D	Std X	NM X	СО	UT	TX	
38-0055							Ana	alysis	and	Met	hod				E	PA Pr	ogra	m	
ngo@ensolum.com	1														SDWA Complian		VA	RC	RA
				y 801	y 801	Ħ		0.0	V	×	sis				PWSID#			-01	
	Field	La Num	6.75	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					Rem			
0.5'		1							X						Same			23	
).5'		2							K						per				
.5'		3							X						NS	2-18	3-25		
.5'		4							X										
.s' .s'		5							X										
5'		4							X										
5'		7							×										
5'		8	1						X										
s' s' 5'		9							X										
. (		10							X										
@ensolum.com, id	estrell	a@er	nsolu	ım.c	om,	bsim	mon	s@e	nsolu	ım.c	om, j	gon	zalez	@en	solum.co	m			
or intentionally mislabeling	g the sai	mple loc	cation	, date	or time	of co	llection	n is cor	nsidere	d frau	d and	may b	e grou	nds for	legal action.	,			
Signature) Le Gonzales				Time	800	D			sample		ceived p				st be received temp above (				
Ly Han	u Harr 2725 800										oni	ce:		ab Us	e Only				

Relinquished by Signature) -14-25 Received by: (Signature) Date Time T3 Relinquished by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample Matrix: 5 - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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



	Chain of	Custody											Page of
Client Information  lient: Matador roject: Dagger State Unit 002 roject Manager: Ashley Giovengo	Invoice Information  Company: Ensolum LLC  Address: 3122 National Parks Hw City, State, Zip: Carlsbad NM, 882	AND DESCRIPTION OF THE PARTY OF	Lab WC	)# .	ab Us	Job I	Numl	ber <b>3</b> ′ 🔾	20	1D	TA <sup>*</sup>	T 3D S	State   NM CO UT TX   X
ity, State, Zip: Carlsbad NM, 88220 hone: 575-988-0055 mail: aglovengo@ensolum.com	Phone: 575-988-0055 Email: agiovengo@ensolum.con Miscellaneous:		015	510		Ana		and I	Meth				SDWA CWA RCRA  Compliance Y or N PWSID#
Sample In	formation		0 648	O by 8	8021	8260	300.0	NM	XT-S	Metals			PWSID#
Time Date Sampled Matrix No. of Containers	Sample ID	100 44	ab nber of storage	GRO/DRO by 8015	BTEX by 8021	VOC by E	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks
1008 2-1325 S 1 FS64	- 0.5'	1	1					×					
0859 2 13.25 5 1 F5 65	- 0.5'		2					x					
0857 2-13-25 5 1 F566	- 0.5'	13	3					×					
1007 2-13-25 S 1 FS 67	- 0.5'	10						×					
250 2-13-25 S   FS 30	- 0'	1 1	5					x				4	
1252 Z-13-25 5 1 PS 31	- 6'	10	7					X			4	-	
1254 2-13-25 5 1 FS 32	- 0'							x			4	-	
1243 2-13-25 5 1 1 1 33	- 0	18						4					
246 2-13-25 \$ 1 F5 42	- 0.5'	19						7			-		
1246 2-13-28 5 1 FS 43	- 0'	2						x					
Additional Instructions: Please CC: agiovengo@enso													
, (field sampler), attest to the validity and authenticity of this sample. I am ampled by:Higinio Gonzalez			cation, dai	e or um	e or cor	ection	i is con	sidered	arrauc	and m	iay be	grouna	is for legal action.
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Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Containe	r Turnou o	alace	- 1	-		AVG	rem	p L			

envirotech 258

State

TAT

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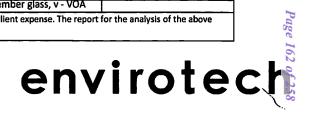
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1906 2-13-25 5	ı	F5 54	_	0.5'		2						K							
016 2-13-25 5	1	FS 55	-	6.5'		3						X							
015 2-13-25 5	1	FS 56	-	0.5'		4						Ø							
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0904 2-13-25 5	l	FS 60	-	0.5'		8						X							
0905 Z-13-25 S	1	FS 61	-	0.5'		9						Y							
09012-13-25 5	,	F3 63		0.5'		10						X							
Additional Instructions: Ple	ase CC: a	giovengo@ensolu	m.com, cl	namilton@ensolum.com	m, iestre	lla@en	solun	n.com	, bsin	nmon	s@ei	nsolu	ım.c	om, jge	nzale	ez@ei	nsolum.	com	
(field sampler), attest to the validity and ampled by:Higinio Gonzalez	dauthenticit	of this sample. I am aw	are that tamp	ering with or intentionally misla	beling the sa	ample loca	ation, d	late or ti	ne of co	ollection	n is cor	nsidere	d frau	d and ma	y be gro	ounds fo	or legal acti	on.	
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Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220				-									_				
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City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com													SDV	VA	CWA	R	CRA
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0859 2-13-25 5 1 FS 65	- 0.5'	12	2					X										
0867 2-13-25 5 1 F566	- 0.5'	13	3					×										
1007 2-13-25 5 1 5567	- 0.5'	14	<i>f</i>					X							_			
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1252 2-13-25 5 1 PS 31	- 6'	/4						X										
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1246 2-13-25 5 1 FS 43	- 0'	2	٥					X										
Additional Instructions: Please CC: agiovengo@enso	lum.com, chamilton@ensolum.com, ies	strella@er	nsolum.	com,	bsim	mon	s@er	nsolu	ım.co	om, j	jgon	zalez	@en	solun	n.coi	m	_	
I, (field sampler), attest to the validity and authenticity of this sample. I am sampled by:Higinio Gonzalez	aware that tampering with or intentionally mislabeling	the sample lo	cation, dat	e or time	e of co	llection	is con	sidere	d frauc	dand	may b	e grou	nds for	legal a	ction.			
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### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	02/17/25	08:00		Work Order ID:	E502144
Phone:	(972) 371-5200	Date Logged In:	02/14/25	15:09		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/21/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?	<b></b> 000	Yes	Comion C	Your ion		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier: C	<u>ourier</u>		
	Il samples received within holding time?	ica anaryses.	Yes				
5. Were a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		100			Comment	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	,	temperature. 4	<u>C</u>				
Sample C	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	•	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · · · · · · · · · · · · · · · · · ·	iers conecteur	105				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	imation.	Yes				
	ate/Time Collected?		Yes	l			
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	w9	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	NIA		
	· - · · ·	so who.	1421	Subcontract Lab	, NA		
Client In	<u>astruction</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 State Unit 002

Work Order: E502159

Job Number: 23003-0002

Received: 2/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/24/25

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: 2/24/25

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

Project Name: Dagger State Unit 002

Workorder: E502159

Date Received: 2/18/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/18/2025 8:00:00AM, under the Project Name: Dagger State Unit 002.

The analytical test results summarized in this report with the Project Name: Dagger State Unit 002 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)

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### **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS01-0'	6
FS02-0'	7
FS03-0'	8
FS04-0'	9
FS05-0'	10
FS06-0'	11
FS07-0'	12
FS08-0'	13
FS09-0'	14
FS10-0'	15
FS11-0'	16
FS13-0'	17
FS14-0'	18
FS17-0'	19
FS18-0'	20
FS25-0'	21
FS26-0'	22
FS27-0'	23
FS28-0'	24
FS29-0'	25

# Table of Contents (continued)

FS34-0'	26
FS36-0'	27
FS62-0.5'	28
QC Summary Data	29
QC - Volatile Organic Compounds by EPA 8260B	29
QC - Volatile Organics by EPA 8021B	30
QC - Nonhalogenated Organics by EPA 8015D - GRO	31
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	33
QC - Anions by EPA 300.0/9056A	35
Definitions and Notes	37
Chain of Custody etc.	38

### **Sample Summary**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo02/24/25 08:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0'	E502159-01A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS02-0'	E502159-02A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS03-0'	E502159-03A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS04-0'	E502159-04A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS05-0'	E502159-05A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS06-0'	E502159-06A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS07-0'	E502159-07A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS08-0'	E502159-08A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS09-0'	E502159-09A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS10-0'	E502159-10A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS11-0'	E502159-11A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS13-0'	E502159-12A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS14-0'	E502159-13A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS17-0'	E502159-14A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS18-0'	E502159-15A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS25-0'	E502159-16A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS26-0'	E502159-17A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS27-0'	E502159-18A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS28-0'	E502159-19A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS29-0'	E502159-20A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS34-0'	E502159-21A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS36-0'	E502159-22A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.
FS62-0.5'	E502159-23A	Soil	02/14/25	02/18/25	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

### FS01-0' E502159-01

		E302137-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		80.6 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/18/25	
Surrogate: n-Nonane		113 %	61-141	02/18/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2508051
Chloride	96.7	20.0	1	02/18/25	02/19/25	

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

### FS02-0'

		E502159-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
o,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		80.4 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/18/25	
Surrogate: n-Nonane		110 %	61-141	02/18/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508051
Chloride	305	20.0	1	02/18/25	02/19/25	



Chloride

# **Sample Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS03-0'

E502159-03							
Reporting							
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2508039	
Benzene	ND	0.0250	1	02/18/25	02/20/25		
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25		
Toluene	ND	0.0250	1	02/18/25	02/20/25		
o-Xylene	ND	0.0250	1	02/18/25	02/20/25		
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25		
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25		
Surrogate: 4-Bromochlorobenzene-PID		80.4 %	70-130	02/18/25	02/20/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2508039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	02/18/25	02/20/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KH		Batch: 2508045	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/18/25		
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/18/25		
Surrogate: n-Nonane		111 %	61-141	02/18/25	02/18/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2508051	

20.0

185

02/18/25

02/19/25



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

### FS04-0'

E502159-04	

	Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		80.6 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/18/25	
Surrogate: n-Nonane		115 %	61-141	02/18/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2508051
Chloride	290	20.0	1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

### FS05-0'

### E502159-05

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		78.8 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	52.4	25.0	1	02/18/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/18/25	
Surrogate: n-Nonane		99.5 %	61-141	02/18/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2508051



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

### FS06-0'

#### E502159-06

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		79.4 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/18/25	
Surrogate: n-Nonane		105 %	61-141	02/18/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2508051



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

### FS07-0'

E502159-07						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		82.3 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		109 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2508051
Chloride	205	20.0	1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

### FS08-0'

#### E502159-08

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		78.3 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	Analyst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		116 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2508051
Chloride	31.8	20.0	1	02/18/25	02/19/25	·



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

### FS09-0'

		E502159-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		81.5 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		114 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508051
Chloride	390	20.0	1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

### FS10-0' E502159-10

		2002107 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
o,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		80.2 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Analyst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	30.0	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		102 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2508051
Chloride	710	20.0	1	02/18/25	02/19/25	



# **Sample Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS11-0'

E502159-11						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		85.9 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		116 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508051
Chloride	315	20.0	1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS13-0'

E502159-12						
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		86.0 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		114 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2508051
Chloride	548	20.0	1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS14-0'

		E502159-13				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		87.9 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		115 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2508051
Chloride	338	20.0	1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS17-0' E502159-14

		zeozie, i.				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
p-Xylene	ND	0.0250	1	02/18/25	02/20/25	
o,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		85.0 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
iurrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Dil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		115 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2508051
Chloride	267	20.0	1	02/18/25	02/19/25	



Chloride

#### Sample Data

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS18-0'

#### E502159-15 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: SL Batch: 2508039 mg/kg mg/kg Volatile Organics by EPA 8021B 02/18/25 02/20/25 ND 0.0250 Benzene 02/20/25 1 02/18/25 Ethylbenzene ND 0.0250ND 0.025002/18/25 02/20/25 Toluene 1 02/18/25 02/20/25 o-Xylene ND 0.02501 02/18/25 02/20/25 ND 0.0500 p,m-Xylene 02/20/25 02/18/25 1 Total Xylenes ND 0.025002/18/25 02/20/25 84.4 % 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: SL Batch: 2508039 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 02/20/25 ND 20.0 1 02/18/25 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 93.0 % 02/18/25 02/20/25 70-130 mg/kg mg/kg Analyst: KH Batch: 2508045 Nonhalogenated Organics by EPA 8015D - DRO/ORO 25.0 02/18/25 02/19/25 198 Diesel Range Organics (C10-C28) ND 02/18/25 02/19/25 Oil Range Organics (C28-C36) 50.0 1 02/18/25 02/19/25 Surrogate: n-Nonane 110 % 61-141 Analyst: DT Batch: 2508051 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

1

02/18/25

02/19/25

1090



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS25-0' E502159-16

		2002107 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
o,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		82.7 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		113 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2508051
Chloride	666	20.0	1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS26-0'

		E502159-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		81.0 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	kg mg/kg Analy		yst: SL	Batch: 2508039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		117 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2508051
Chloride	971	20.0	1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS27-0' E502159-18

		2002107 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg mg/kg		Analy	yst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
o,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		81.3 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		110 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2508051
Chloride	674	20.0	1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS28-0' E502159-19

		2002107 17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		1 11111/200	Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
oluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
o,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		82.8 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
iurrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		111 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2508051
Chloride	855	20.0	1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS29-0'

		E502159-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2508039
Benzene	ND	0.0250	1	02/18/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/20/25	
Toluene	ND	0.0250	1	02/18/25	02/20/25	
o-Xylene	ND	0.0250	1	02/18/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/20/25	
Surrogate: 4-Bromochlorobenzene-PID		83.6 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2508045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
Surrogate: n-Nonane		109 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2508051
Chloride	1900	20.0	1	02/18/25	02/19/25	·



Matador Resources, LLC.Project Name:Dagger State Unit 0025400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/24/20258:57:44AM

#### FS34-0'

		E502159-21					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg A		Analyst	SL		Batch: 2508040
Benzene	ND	0.0250		1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250		1	02/18/25	02/19/25	
Toluene	ND	0.0250		1	02/18/25	02/19/25	
o-Xylene	ND	0.0250		1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500		1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250		1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		103 %	70-130		02/18/25	02/19/25	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		02/18/25	02/19/25	
Surrogate: Toluene-d8		102 %	70-130		02/18/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	SL		Batch: 2508040
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		103 %	70-130		02/18/25	02/19/25	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		02/18/25	02/19/25	
Surrogate: Toluene-d8		102 %	70-130		02/18/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2508054
Diesel Range Organics (C10-C28)	ND	25.0	_	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/19/25	02/19/25	
Surrogate: n-Nonane		95.5 %	61-141		02/19/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	AK		Batch: 2508048
Chloride	212	20.0		1	02/18/25	02/19/25	



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

#### FS36-0' E502159-22

	_	Reporting	_			
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	analyst: SL		Batch: 2508040
Benzene	ND	0.0250	1	02/18/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/25	02/19/25	
Toluene	ND	0.0250	1	02/18/25	02/19/25	
o-Xylene	ND	0.0250	1	02/18/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/18/25	02/19/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	02/18/25	02/19/25	
Surrogate: Toluene-d8		102 %	70-130	02/18/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: SL		Batch: 2508040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/19/25	
Surrogate: Bromofluorobenzene		102 %	70-130	02/18/25	02/19/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	02/18/25	02/19/25	
Surrogate: Toluene-d8		102 %	70-130	02/18/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: NV		Batch: 2508054
Diesel Range Organics (C10-C28)	ND	25.0	1	02/19/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/19/25	
Surrogate: n-Nonane		93.3 %	61-141	02/19/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	analyst: AK		Batch: 2508048
Chloride	345	20.0	1	02/18/25	02/19/25	

Matador Resources, LLC.Project Name:Dagger State Unit 0025400 LBJ Freeway, Suite 1500Project Number:23003-0002Reported:Dallas TX, 75240Project Manager:Ashley Giovengo2/24/2025 8:57:44AM

#### FS62-0.5' E502159-23

		E302137-23				
Analysis	D14	Reporting		ii Di	- Analon 1	N.A
Analyte	Result	Limit	Dilut	tion Prepar	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL		Batch: 2508040
Benzene	ND	0.0250	1	02/18/	25 02/19/25	
Ethylbenzene	ND	0.0250	1	02/18/	25 02/19/25	
Toluene	ND	0.0250	1	02/18/	25 02/19/25	
o-Xylene	ND	0.0250	1	02/18/	25 02/19/25	
p,m-Xylene	ND	0.0500	1	02/18/	25 02/19/25	
Total Xylenes	ND	0.0250	1	02/18/	25 02/19/25	
Surrogate: Bromofluorobenzene		106 %	70-130	02/18/	25 02/19/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	02/18/	25 02/19/25	
Surrogate: Toluene-d8		101 %	70-130	02/18/	25 02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL		Batch: 2508040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/	25 02/19/25	
Surrogate: Bromofluorobenzene		106 %	70-130	02/18/	25 02/19/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	02/18/	25 02/19/25	
Surrogate: Toluene-d8		101 %	70-130	02/18/	25 02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2508054
Diesel Range Organics (C10-C28)	108	25.0	1	02/19/	25 02/19/25	_
Oil Range Organics (C28-C36)	116	50.0	1	02/19/2	25 02/19/25	
Surrogate: n-Nonane		92.8 %	61-141	02/19/	25 02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: AK		Batch: 2508048
Chloride	923	20.0	1	02/18/	25 02/19/25	_



# **QC Summary Data**

Matador Resources, LLC. Project Name: Dagger State Unit 002

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

Dallas TX, 75240 Project Manager: Ashley Giovengo 2/24/2025 8:57:44AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			2/24	4/2025 8:57:44AN
	V	Volatile Organic Compounds by EPA 8260B							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508040-BLK1)							Prepared: 02	2/18/25 Analy	yzed: 02/19/25
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: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dictioroeinane-a4 Surrogate: Toluene-d8	0.504		0.500		101	70-130			
	0.304		0.500		101	70 150	_		
LCS (2508040-BS1)							Prepared: 02	2/18/25 Analy	yzed: 02/19/25
Benzene	2.22	0.0250	2.50		88.9	70-130			
Ethylbenzene	2.26	0.0250	2.50		90.3	70-130			
Toluene	2.33	0.0250	2.50		93.3	70-130			
o-Xylene	2.35	0.0250	2.50		93.9	70-130			
p,m-Xylene	4.84	0.0500	5.00		96.7	70-130			
Total Xylenes	7.18	0.0250	7.50		95.8	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500		103	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			
Matrix Spike (2508040-MS1)				Source:	E502158-	02	Prepared: 02	2/18/25 Analy	yzed: 02/19/25
Benzene	2.33	0.0250	2.50	ND	93.3	48-131			
Ethylbenzene	2.38	0.0250	2.50	ND	95.3	45-135			
Toluene	2.47	0.0250	2.50	ND	98.9	48-130			
o-Xylene	2.51	0.0250	2.50	ND	100	43-135			
p,m-Xylene	5.17	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.68	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			
Matrix Spike Dup (2508040-MSD1)				Source:	E502158-	02	Prepared: 02	2/18/25 Analy	yzed: 02/19/25
Benzene	2.24	0.0250	2.50	ND	89.5	48-131	4.11	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.3	45-135	1.08	27	
Toluene	2.41	0.0250	2.50	ND	96.3	48-130	2.70	24	
o-Xylene	2.43	0.0250	2.50	ND	97.3	43-135	3.02	27	
p,m-Xylene	4.98	0.0500	5.00	ND	99.6	43-135	3.77	27	
Total Xylenes	7.42	0.0250	7.50	ND	98.9	43-135	3.52	27	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
	0.010		0.500		00.5	<b>50.15</b>			



0.500

99.5

70-130

0.498

Surrogate: Toluene-d8

Surrogate: 4-Bromochlorobenzene-PID

#### **QC Summary Data**

Matador Resources, LLC. Dagger State Unit 002 Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23003-0002 Dallas TX, 75240 Project Manager: Ashley Giovengo 2/24/2025 8:57:44AM **Volatile Organics by EPA 8021B** Analyst: SL RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2508039-BLK1) Prepared: 02/18/25 Analyzed: 02/20/25 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 6.56 8.00 82.0 70-130 LCS (2508039-BS1) Prepared: 02/18/25 Analyzed: 02/20/25 5.03 5.00 101 70-130 0.0250 Benzene Ethylbenzene 4.79 0.0250 5.00 95.9 70-130 4.93 70-130 0.0250 5.00 98.6 Toluene 4.78 95.7 70-130 o-Xylene 0.0250 5.00 9.73 0.0500 10.0 97.3 70-130 p,m-Xylene 14.5 96.8 70-130 0.0250 15.0 Total Xylenes

Matrix Spike (2508039-MS1)						)7	Prepared: 02/18/25 Analyzed: 02/20/25
Benzene	5.21	0.0250	5.00	ND	104	54-133	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133	
Toluene	5.12	0.0250	5.00	ND	102	61-130	
o-Xylene	4.94	0.0250	5.00	ND	98.7	63-131	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	
Surrogate: 4-Bromochlorobenzene-PID	6.60		8.00		82.5	70-130	

8.00

6.65

70-130

83.1

Matrix Spike Dup (2508039-MSD1)				Source: E502159-07			Prepared: 02/18/25 Analyzed: 02/20/25		
Benzene	4.96	0.0250	5.00	ND	99.2	54-133	5.00	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.8	61-133	4.89	20	
Toluene	4.87	0.0250	5.00	ND	97.5	61-130	4.88	20	
o-Xylene	4.75	0.0250	5.00	ND	94.9	63-131	3.95	20	
p,m-Xylene	9.62	0.0500	10.0	ND	96.2	63-131	4.74	20	
Total Xylenes	14.4	0.0250	15.0	ND	95.8	63-131	4.48	20	

Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/24/20258:57:44AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			2/	24/2025 8:57:44AM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: SL		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2508039-BLK1)							Prepared: 0	2/18/25 Ana	lyzed: 02/20/25		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130					
LCS (2508039-BS2)							Prepared: 0	2/18/25 Ana	lyzed: 02/20/25		
Gasoline Range Organics (C6-C10)	37.9	20.0	50.0		75.7	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130					
Matrix Spike (2508039-MS2)				Source:	E502159-	07	Prepared: 0	2/18/25 Ana	lyzed: 02/20/25		
Gasoline Range Organics (C6-C10)	37.0	20.0	50.0	ND	73.9	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130					
Matrix Spike Dup (2508039-MSD2)				Source:	E502159-	07	Prepared: 0	2/18/25 Ana	lyzed: 02/20/25		
Gasoline Range Organics (C6-C10)	36.6	20.0	50.0	ND	73.1	70-130	1.09	20			

8.00

7.62

95.3

70-130

Surrogate: Toluene-d8

# **QC Summary Data**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/24/20258:57:44AM

		ED 1 004 ED	~ ~ ~
Nonhalogenated	Organics by	EPA 8015D -	(łR()

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 (2508040-BLK1)							Prepared: 02	2/18/25 Analy	yzed: 02/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			
LCS (2508040-BS2)							Prepared: 02	2/18/25 Analy	yzed: 02/19/25
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			

Matrix Spike (2508040-MS2)	Spike (2508040-MS2)			Source:	E502158-0	)2	Prepared: 02/18/25 Analyzed: 02/19/25
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130	
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130	
Surrogate: Toluene-d8	0.508		0.500		102	70-130	

106

70-130

0.500

0.528

Matrix Spike Dup (2508040-MSD2)				Source: E502158-02			Prepared: 02/18/25 Analyzed: 02/19		
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.5	70-130	5.03	20	
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

# **QC Summary Data**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/24/20258:57:44AM

		Analyst: KH
RPD	RPD Limit	
%	%	Notes
Prepared: 02/	/18/25 An	nalyzed: 02/18/25
Prepared: 02/	/18/25 An	nalyzed: 02/18/25
Prepared: 02/	/18/25 An	nalyzed: 02/18/25
Prepared: 02/	/18/25 An	nalyzed: 02/18/25
	20	
4.50	20	
	% Prepared: 02	RPD Limit

# **QC Summary Data**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/24/20258:57:44AM

Dallas 1A, /3240		Project Manage	r. As	mey Gloveng	30				2/24/2023 6.37.44AI
	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 (2508054-BLK1)							Prepared: 0	2/19/25 A	nalyzed: 02/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.6		50.0		91.2	61-141			
LCS (2508054-BS1)							Prepared: 0	2/19/25 A	nalyzed: 02/19/25
Diesel Range Organics (C10-C28)	242	25.0	250		96.7	66-144			
Surrogate: n-Nonane	47.0		50.0		94.1	61-141			
Matrix Spike (2508054-MS1)				Source:	E502162-	08	Prepared: 0	2/19/25 A	nalyzed: 02/19/25
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	49.4		50.0		98.9	61-141			
Matrix Spike Dup (2508054-MSD1)				Source:	E502162-	08	Prepared: 0	2/19/25 A	nalyzed: 02/19/25
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156	2.01	20	
Surrogate: n-Nonane	49.9		50.0		99.7	61-141			



Matrix Spike Dup (2508048-MSD1)

Chloride

# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

Dallas 1A, /3240		Project Manage	r: As	sniey Gioveng	go			21	24/2023 8:37:44AM
		Anions	by EPA 3	00.0/9056 <i>A</i>	4				Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508048-BLK1)							Prepared: 0	2/18/25 Ana	alyzed: 02/18/25
Chloride	ND	20.0							
LCS (2508048-BS1)							Prepared: 0	2/18/25 Ana	alyzed: 02/18/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2508048-MS1)				Source:	E502155-	02	Prepared: 0	2/18/25 Ana	alyzed: 02/18/25
Chloride	266	20.0	250	ND	106	80-120			

250

20.0

Source: E502155-02

104

80-120

1.87



Prepared: 02/18/25 Analyzed: 02/18/25

20

Chloride

#### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger State Un 23003-0002	nit 002				Reported:
Dallas TX, 75240		Project Manager	: 1	Ashley Gioveng	go				2/24/2025 8:57:44AM
		Anions	by EPA	300.0/9056	<b>A</b>				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 (2508051-BLK1)							Prepared: 0	2/18/25 A	analyzed: 02/19/25
Chloride	ND	20.0							
LCS (2508051-BS1)							Prepared: 0	2/18/25 A	nalyzed: 02/19/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2508051-MS1)				Source:	E502159-	04	Prepared: 0	2/18/25 A	nalyzed: 02/19/25
Chloride	568	20.0	250	290	111	80-120			
Matrix Spike Dup (2508051-MSD1)				Source:	E502159-	04	Prepared: 0	2/18/25 A	nalyzed: 02/19/25

250

20.0

112

80-120

0.297

#### 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.



20

#### **Definitions and Notes**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/24/25 08:57

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: 4/1/2025 1:37:36 PM

						Chain of Cu	stody											Page <u> </u>		
	Clier	t Inform	ation		Invoice In	formation			La	sb Us	e On	ıly				TAT		State		
Client: M					Company: Ensolum L	LC	i	ab WO	#	_	Job	Num	ber	寸	1D	2D 3D	Std	NM CO UT TX		
	Dagger State	Unit 002			Address: 3122 Nation		i	E <b>5</b> 02	15	9	23	1.80	OCO	2			Х	X		
Project N	lanager: Ash	ley Giov	engo		City, State, Zip: Carlst	ad NM, 88220	Г													
Address:	3122 Nation	al Parks	Hwy		Phone: 575-988-005	5					Ana	lysis	and I	Met	nod			EPA Program		
City, Stat	e, Zip: Carlsl	oad NM,	88220		Email: agiovengo@e	ensolum.com												SDWA CWA RCRA		
Phone: !	75-988-0055	<u> </u>			Miscellaneous:			-				i I								
Email: a	<u>giovengo@er</u>	<u>rsolum.c</u>	<u>om</u>					2	8015				1					Compliance Y or N		
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<del></del> _	r			Sample	Information		<b>-</b> -	<u> </u>	80	8 A	y 82	de 3	ا دٍّ	90	8 X			Remarks		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	च्च Lat Numl	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks		
0908	2/14/2025	s	1	FS	01 - 01		1						x							
0909	2/14/2025	S	1	F50	2 - 0'		2						x					333333		
0911	2/14/2025	S	1	F503	3 - 0'		3						x							
0858	2/14/2025	S	1	FS04	- 6'		4						х							
<i>6</i> 960	2/14/2025	S	1	F505	- 0'		5						X							
0901	2/14/2025	S	1	F506	-0'		4						х							
0850	2/14/2025	S	1	F507	- 0'		7						x							
0852	2/14/2025	S	1	F508	-0'		8						х							
0842	2/14/2025	S	1	F509	-0'		9						х							
0845	2/14/2025	S	1	F510	- 0'		10						х							
Addition	al Instruction	ns: Plea	se CC: ag	giovengo@e	nsolum.com, chamilton@ens	olum.com, iestr	rella@en	solum.	com,	bsim	mon	ıs@e	nsolu	ım.c	om, j	gonzale	ez@ei	nsolum.com		
I, (field sam) Sampled by			authenticity	of this sample.	I am aware that tampering with or intent	ionally mislabeling the	sample loc	ation, date	e or tim	ne of co	llectio	n is ca	nsidere	d frau	d and n	ay be gro	ounds fo	or legal action.		
	ed by: (Signatur		- Date		ne Received by: Signatu	g) Di	J-17-1	Time	, 8 a	D			sample	d or re	ceived p	-		nust be received on ice the day they are vg temp above 0 but less than 6 °C on		
Belinguish	ed by: (Signatur		Date	14 63 Tir			ate	Time			1		subsen	vent d	evs		Lab U	Ise Only		
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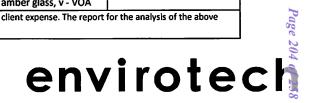


ent expense. The report for the analysis of the above

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	Clier	nt Inform	ation			Invoice Informati	on				La	b Us	e On	ly				TAT			St	ate	
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	3122 Nation					Phone: 575-988-0055							Ana	lysis	and I	Meti	nod			E	PA Pro	gram	
	, Zip: Carlsl	_				Email: agiovengo@ensolun	n.com		_					Ť						SDWA	CW		RA
	75-988-0055					Miscellaneous:									- 1	ı	J	- 1			1		
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0927	2/14/2025	S	1	FS	25	- 0'			6						Х					<u> </u>			
0934	2/14/2025	S	1	FS	26	- 0'		!	7						X								
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0938	2/14/2025	S	1	FS	28	-0'			9						х								
0932	2/14/2025	S	1		29	- 0'			20				:		X								
Addition	al Instruction	ns: Plea	ase CC: ag	iovengo@	Pensolui	m.com, chamilton@ensolum.co	om, ies	trella@	Penso	olum.c	om,	bsim	mon	s@e	nsolu	ım.c	om, j	gonza	lez@e	nsolum.c	om		
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	,- 12.8														AVG	Ten	ıp °C	4					
Sample Mat	ix: S - Soil, Sd - So	olid, Sg - Slud	ge, A - Aque	ous, <b>O</b> - Othe	:r			Contair	ner Ty	/pe: g -	glass	, p - r	oly/i					iss, v -	VOA	T			_
Note: Samp	les are discard	ed 14 days	after result	ts are repor	ted unless	other arrangements are made. Hazard	dous san	ples wil	be ret	turned	to clie	nt or	dispo	sed of	at the	clien	t expe	nse. Th	e repor	t for the an	alysis of	he above	





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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample	e ID		Field	Lab Numb	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NIM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0833	2/14/2025	S	1	F5	34		0'			21						х						
0832	2/14/2025	S	1	FS	36	_	0'			22						х						
1056	2/14/2025	S	1	F5	62		0.51			23						х						
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Addition	al Instructio	ns: Plea	se CC: ag	l ;iovengo@	ensolum.	com, cha	milton@ensolum.	com, ie	strella	@ens	olum.	om,	bsim	mon	s@e	nsol	um.c	om, j	gonz	alez@	@en	solum.com
•	••	-	authenticity	of this sampl	e. I am aware	that tamper	ng with or intentionally n	nislabeling	the sam	ple locat	tion, date	or tim	e of co	ilectio	n is co	nsidere	ed frau	d and i	nay be	groun	ds for	r legal action.
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_///	ed by: (Signatu	_			Time OSOO		ed by: (Signature)	zales	14	7 )		goc	<u> </u>				ed or re	ceived p		n ice at	an avg	g temp above 0 but less than 6 °C on
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Sample Matr	ix: <b>S</b> - Soil, <b>Sd</b> - S	olid. Sg - Sluc	ige. A - Aque	ous. O - Othe	r				(Conta	aner T	ype: g	PIASS	n - r	ากเข/เ	าเลรทั	C. ag	- ami	oer el	ass. v	- VO	4.	I



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#### **Envirotech Analytical Laboratory**

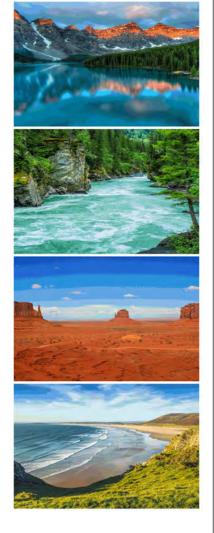
Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	02/18/25	08:00		Work Order ID:	E502159
Phone:	(972) 371-5200	Date Logged In:	02/17/25	15:20		Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/24/25	17:00 (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 s	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	Courier Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			<u>Comments</u>	s/Resolution
Sample T	Furn Around Time (TAT)	<b></b>				·	·
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	Cooler						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4-1	<u>c</u>				
	Container queous VOC samples present?		No				
	OC samples collected in VOA Vials?		No NA				
	head space less than 6-8 mm (pea sized or less)?		NA NA				
			NA				
	trip blank (TB) included for VOC analyses?	9					
	on-VOC samples collected in the correct containers appropriate volume/weight or number of sample contain		Yes				
	** *	ners conecteur	Yes				
Field Lat	field sample labels filled out with the minimum info	rmation:					
	ample ID?	mation.	Yes				
	rate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborato	ry?	No				
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab	: NA		
	nstruction .						
<u>enent ii</u>	ion uction						
							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 State Unit 002

Work Order: E502163

Job Number: 23003-0002

Received: 2/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/24/25

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: 2/24/25

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

Project Name: Dagger State Unit 002

Workorder: E502163

Date Received: 2/19/2025 5:00:26AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2025 5:00:26AM, under the Project Name: Dagger State Unit 002.

The analytical test results summarized in this report with the Project Name: Dagger State Unit 002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Client Representative

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Cell: 505-947-8222

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# **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS47-0'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

#### **Sample Summary**

_				
ſ	Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
١	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported.
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/24/25 08:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS47-0'	E502163-01A	Soil	02/14/25	02/19/25	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:23:11AM

#### FS47-0' E502163-01

		E302103-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2508052
Benzene	ND	0.0250	1	02/19/25	02/19/25	
Ethylbenzene	ND	0.0250	1	02/19/25	02/19/25	
Toluene	ND	0.0250	1	02/19/25	02/19/25	
o-Xylene	ND	0.0250	1	02/19/25	02/19/25	
p,m-Xylene	ND	0.0500	1	02/19/25	02/19/25	
Total Xylenes	ND	0.0250	1	02/19/25	02/19/25	
Surrogate: 4-Bromochlorobenzene-PID		86.4 %	70-130	02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2508052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2508073
Diesel Range Organics (C10-C28)	35.2	25.0	1	02/19/25	02/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/19/25	02/20/25	
Surrogate: n-Nonane		106 %	61-141	02/19/25	02/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2508062
Chloride	1710	20.0	1	02/19/25	02/19/25	



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	_
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:23:11AM

Dallas TX, 75240		Project Number: Project Manager:		shley Giovengo				2/	24/2025 8:23:11AN
	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 (2508052-BLK1)							Prepared: 02	2/19/25 Ana	llyzed: 02/19/25
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	6.56		8.00		82.0	70-130			
LCS (2508052-BS1)							Prepared: 02	2/19/25 Ana	lyzed: 02/19/25
Benzene	5.10	0.0250	5.00		102	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.4	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	4.85	0.0250	5.00		97.0	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.7	0.0250	15.0		98.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.58		8.00		82.2	70-130			
LCS Dup (2508052-BSD1)							Prepared: 02	2/19/25 Ana	lyzed: 02/19/25
Benzene	5.08	0.0250	5.00		102	70-130	0.465	20	
Ethylbenzene	4.84	0.0250	5.00		96.7	70-130	0.711	20	
Toluene	4.98	0.0250	5.00		99.5	70-130	0.606	20	
o-Xylene	4.81	0.0250	5.00		96.2	70-130	0.844	20	
p,m-Xylene	9.81	0.0500	10.0		98.1	70-130	0.761	20	
Total Xylenes	14.6	0.0250	15.0		97.5	70-130	0.788	20	

70-130



#### **QC Summary Data**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo2/24/20258:23:11AM

Nonhalogenated	Organics by	v 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 (2508052-BLK1)						Prepared: 02	2/19/25	Analyzed: 02/19/25
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00	93.9	70-130			
LCS (2508052-BS2)						Prepared: 02	2/19/25	Analyzed: 02/19/25
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	83.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00	96.2	70-130			
LCS Dup (2508052-BSD2)						Prepared: 02	2/19/25	Analyzed: 02/19/25
Gasoline Range Organics (C6-C10)	40.0	20.0	50.0	80.1	70-130	4.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00	96.4	70-130			



# **QC Summary Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	2/24/2025 8:23:11AM
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Danas 1A, 73240		1 Toject Ivianage	. 7 to	micy Gloveng	50			2,,	2 1/2023 0.23.11711
	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 (2508073-BLK1)							Prepared: 0	2/19/25 Ana	lyzed: 02/20/25
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 (2508073-BS1)							Prepared: 0	2/19/25 Ana	lyzed: 02/20/25
Diesel Range Organics (C10-C28)	300	25.0	250		120	66-144			
Surrogate: n-Nonane	51.3		50.0		103	61-141			
Matrix Spike (2508073-MS1)				Source:	E502164-0	03	Prepared: 0	2/19/25 Ana	lyzed: 02/20/25
Diesel Range Organics (C10-C28)	316	25.0	250	ND	127	56-156			
Surrogate: n-Nonane	57.1		50.0		114	61-141			
Matrix Spike Dup (2508073-MSD1)				Source:	E502164-0	03	Prepared: 0	2/19/25 Ana	lyzed: 02/20/25
Diesel Range Organics (C10-C28)	305	25.0	250	ND	122	56-156	3.79	20	
Surrogate: n-Nonane	54.8		50.0		110	61-141			

Chloride

#### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number	: 2	Dagger State Un 3003-0002					Reported:
Dallas TX, 75240		Project Manager	r: A	Ashley Gioveng	go				2/24/2025 8:23:11AM
		Anions	by EPA	300.0/9056	4				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 (2508062-BLK1)							Prepared: 0	2/19/25 A	nalyzed: 02/19/25
Chloride	ND	20.0							
LCS (2508062-BS1)							Prepared: 0	2/19/25 A	nalyzed: 02/19/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2508062-MS1)				Source:	E502162-	03	Prepared: 0	2/19/25 A	nalyzed: 02/19/25
Chloride	616	20.0	250	387	91.8	80-120			
Matrix Spike Dup (2508062-MSD1)				Source:	E502162-	03	Prepared: 0	2/19/25 A	nalyzed: 02/19/25

250

20.0

101

80-120

3.49

638

#### 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.



20

# **Definitions and Notes**

l	Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
١	Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/24/25 08:23

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: 4/1/2025 1:37:36 PM

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	Clier	t Inform	nation			Invoice Information Lab Use Only				TA	т			State	2								
Client: M	atador				Cor	mpany: Ensolum LLC			Lab	WO#			Job I	Vum	ber		1D	2D	3D S	td	NM	CO UT	TX
	Dagger State	Unit 002				dress: 3122 National Park	Hwy				16	3	23	00	3-00	02			X		X		
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	e, Zip: Carlst					nail: agiovengo@ensolun	n.com				_	17					-	1			SDWA	CWA	RCRA
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Time	Sec. 150-150	5.2.5 V	No. of		300000000000000000000000000000000000000	6 1 16	Р	a L	ab	/OR	/DR	k by	by 8	ride	00	100	A 8					Remarks	
Sampled	Date Sampled	Matrix	Containers			Sample ID	Field	No Filter	mber	DRC	GRC	BTE	VOC	Chlo	BGDOC - NM	TCEC	RCR						
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			d authenticity	of this sampl	e. I am aware tha	t tampering with or intentionally mis	labeling the	sample	location	, date	or time	e of co	llectio	n is cor	nsidere	ed frau	d and	may b	e ground	s for	legal action.		
Sampled by	ed by: (Signatur		Date		Time	Received by: (Signature)	- In	te	-	Time					Sampl	es requ	iring the	ermal p	reservatio	n mu	ist be received	on ice the da	y they are
Reiniquish	eu by. (Signatur		- 7	18-25	08m)	Received by: (Signature)	lec	1-18-	) <	1,11,11,00	80	0			sample	ed or re	ceived				temp above 0		
Change of	La um (Caralla C	0	Date	100	Time	Pacifical but/Signature)	100 D	te	20	Time		_			subser	ment d	avs		Lah	115	e Only		_
-	ed the land of	0	28 2	18-25	1700	Received by: (Signature)  Received by: (Signature)  Adius  (Giorgia de la company)	3	1.18	.25		700	)			Rec	eived	d on i	ice:	0				
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	rix: <b>S</b> - Soil, <b>Sd</b> - So													olasti	c, ag	- ami	oer gl	ass, v	- VOA				
Note: Sam	ples are discard	ed 14 days	s after resul	s are repor	ted unless other	arrangements are made. Hazar	dous samp	es will l	be retu	rned	to clie	nt or	dispo	sed of	at th	e clier	nt exp	ense.	The rep	ort	for the anal	ysis of the	above
samples is	applicable only	to those s	amples rece	ived by the	laboratory with	this COC. The liability of the lab	oratory is I	mited t	o the a	amour	nt paid	ford	n the	repor	rt.								



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envirotech Inc.

Printed: 2/19/2025 8:00:42AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	02/19/25 (	05:00		Work Order ID:	E502163
Phone:	(972) 371-5200	Date Logged In:	02/18/25	15:55		Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	02/25/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	<u>'ourier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes			<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			_				
	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'	7	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·	nois concerca.	105				
	field sample labels filled out with the minimum info	ormation.					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes	l			
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
-	imples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and is	-	NA	Subcontract Lab	: NA		
	struction						
Chem In	isti uction						

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 State Unit 002

Work Order: E503003

Job Number: 23003-0002

Received: 3/4/2025

Revision: 0

Report Reviewed By:

Draft Walter Hinchman Laboratory Director 3/4/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 3/4/25

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

Project Name: Dagger State Unit 002

Workorder: E503003

Date Received: 3/4/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2025 6:00:00AM, under the Project Name: Dagger State Unit 002.

The analytical test results summarized in this report with the Project Name: Dagger State Unit 002 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
FS65-0.5'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
Definitions and Notes	9
Chain of Custody etc.	10

### **Sample Summary**

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Γ	Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
l	5400 LBJ Freeway, Suite 1500	Project Number:	roject Number: 23003-0002	
1	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/04/25 11:44

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS65-0.5'	E503003-01A Soil	02/28/25	03/04/25	Glass Jar. 2 oz.



### **Sample Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/4/2025 11:44:29AM

### FS65-0.5' E503003-01

		E303003-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2510033
Benzene	ND	0.0250	1	03/04/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/04/25	
Toluene	ND	0.0250	1	03/04/25	03/04/25	
o-Xylene	ND	0.0250	1	03/04/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/04/25	
Surrogate: 4-Bromochlorobenzene-PID		79.1 %	70-130	03/04/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2510033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	03/04/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2510034
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/04/25	
Surrogate: n-Nonane		104 %	61-141	03/04/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2510037
Chloride	1820	20.0	1	03/04/25	03/04/25	



Surrogate: 4-Bromochlorobenzene-PID

### **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Dagger State Unit 002 23003-0002	Reported:
Dallas TX, 75240	Project Number: Project Manager:	Ashley Giovengo	3/4/2025 11:44:29AM

Dallas TX, 75240		Project Manager:	As	shley Gioveng	o			3/	4/2025 11:44:29AM			
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 (2510033-BLK1)						F	Prepared: 0	3/03/25 Ana	lyzed: 03/03/25			
Benzene	ND	0.0250										
Ethylbenzene	ND	0.0250										
Toluene	ND	0.0250										
o-Xylene	ND	0.0250										
p,m-Xylene	ND	0.0500										
Total Xylenes	ND	0.0250										
Surrogate: 4-Bromochlorobenzene-PID	6.34		8.00		79.3	70-130						
LCS (2510033-BS1)						F	Prepared: 0	3/03/25 Ana	lyzed: 03/03/25			
Benzene	4.49	0.0250	5.00		89.8	70-130						
Ethylbenzene	4.40	0.0250	5.00		88.0	70-130						
Toluene	4.49	0.0250	5.00		89.7	70-130						
p-Xylene	4.40	0.0250	5.00		88.1	70-130						
p,m-Xylene	8.94	0.0500	10.0		89.4	70-130						
Total Xylenes	13.3	0.0250	15.0		89.0	70-130						
Surrogate: 4-Bromochlorobenzene-PID	6.43		8.00		80.4	70-130						
LCS Dup (2510033-BSD1)						F	repared: 0	3/03/25 Ana	lyzed: 03/03/25			
Benzene	4.67	0.0250	5.00		93.5	70-130	4.05	20				
Ethylbenzene	4.55	0.0250	5.00		91.1	70-130	3.44	20				
Toluene	4.65	0.0250	5.00		93.1	70-130	3.68	20				
o-Xylene	4.59	0.0250	5.00		91.8	70-130	4.12	20				
p,m-Xylene	9.26	0.0500	10.0		92.6	70-130	3.53	20				
Total Xylenes	13.9	0.0250	15.0		92.3	70-130	3.72	20				



### **QC Summary Data**

Matador Resources, LLC.Project Name:Dagger State Unit 002Reported:5400 LBJ Freeway, Suite 1500Project Number:23003-0002Dallas TX, 75240Project Manager:Ashley Giovengo3/4/2025 11:44:29AM

Nonhalogenated	Organics b	y EPA	8015D - GRO
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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 (2510033-BLK1)						Prepared: 0	3/03/2	5 Analyzed: 03/03/25
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00	95.0	70-130			
LCS (2510033-BS2)						Prepared: 0	3/03/2:	5 Analyzed: 03/03/25
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	88.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00	97.9	70-130			
LCS Dup (2510033-BSD2)						Prepared: 0	3/03/2:	5 Analyzed: 03/03/25
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0	79.9	70-130	10.1	20	)
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00	97.5	70-130			



### **QC Summary Data**

Matador Resources, LLC.	Project Name:	Dagger State Unit 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/4/2025 11:44:29AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go				3/4/2025 11:44:29AM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KH
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2510034-BLK1)							Prepared: 0	)3/04/25 A	nalyzed: 03/04/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.1		50.0		96.3	61-141			
Matrix Spike (2510034-MS1)				Source:	E503004-	09	Prepared: 0	3/04/25 A	nalyzed: 03/04/25
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.4	56-156			
Surrogate: n-Nonane	48.1		50.0		96.1	61-141			
Matrix Spike Dup (2510034-MSD1)				Source:	E503004-0	09	Prepared: 0	03/04/25 A	nalyzed: 03/04/25
Diesel Range Organics (C10-C28)	220	25.0	250	ND	88.0	56-156	1.58	20	
Surrogate: n-Nonane	47.6		50.0		95.2	61-141			

### QC Summary Report Comment:

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



### **Definitions and Notes**

Γ	Matador Resources, LLC.	Project Name:	Dagger State Unit 002	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
١	Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/04/25 11:44

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Received by OCD: 3/10/2025 7:52:50 AM

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Sample Mat	trix: S - Soil, Sd - S	olid, Sg - Sluc	dge, A - A	queous, <b>0</b> - Othe	r				tainer T														Landana	-
Note: Sam samples is	ples are discard applicable only	to those s	after res	sults are report eceived by the	ted unless other laboratory with	arrangements ar this COC. The lia	e made. Hazardous s bility of the laborator	mples y is lim	will be r	etu 1e a	moun	t paid	nt or o	n the	sed o	f at th rt.	e clie	nt exp	ense.	ine repor	t for the	inalysis of t	ne above	



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						Chain (	Ji Cusi	louy											Page
	Clie	nt Inform	nation			Invoice Information	ì				Lab U	se On	ıly	-			TAT		State
Client: M					—    -	Company: Ensolum LLC			Lab W	/O#		Job	Num	ber	一	1Q .	2D 3	D Std	NM CO UT TX
	Dagger State	Unit 002				Address: 3122 National Parks H	lwy		E5	530	<b>2</b> C	23	ത്ഷ	<b>600</b>	Z	X		<u> </u>	
Project N	lanager: As	hley Giov	engo			City, State, Zip: Carlsbad NM, 8	8220												
Address:	3122 Natio	nal Parks	Hwy			Phone: 575-988-0055			Γ			Ana	lysis	and	Met	hod			EPA Program
City, Stat	e, Zip: Carls	bad NM,	88220			Email: agiovengo@ensolum.c	om		Γ										SDWA CWA RCRA
Phone: !	75-988-005	5				fiscellaneous:													
Email: a	giovengo@e	nsolum.c	om							8015	: 1							1	Compliance Y or N
•			_							8 8		١	8	5	ĸ	ses		l	PWSID#
				Sam	ple Informa	ition	1		_	ğ   g	, 80 , 80	826	9 S	Ž	O	Me			
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lal Num	b ber	DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks
08%	2/28/2025	S	1			FS67 - 0.5'		1						X					Rush
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											$\top$	$\vdash$							
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	_																		
Addition	al Instruction	ns: Ple	ase CC: a	giovengo(	@ensolum.	com, chamilton@ensolum.con	n, iestre	lla@er	rsolu	m.con	, bsin	nmor	rs@e	nsol	um.c	om, j	gonza	lez@e	nsolum.com
	•		dauthenticit	y of this samp	le. I am aware	that tampering with or intentionally mislab	eling the sa	ample loc	cation, o	date or t	me of c	ollectio	n is co	nsidere	ed frau	ıd and r	nay be g	rounds fo	or legal action.
Sampled by			In-a		T <del></del>	[m	- 1		17	lime		т —		Sample	05 F0011	iring the	rmal nres	envation n	nust be received on ice the day they are
Relinquish	ed by: (Signatu		3	-3-25	10800		es 3	3.1	<u> </u>	80	go			sample		ceived p		ce at an a	vg temp above 0 but less than 6 °C on
	entile (		les 3.	3.25	Time	Received by: (Signature)	3		25	17	00			Rec	eivec	d on i	e:	Lab U	Jse Only N
Relinquish	ed by: (Signatu	JL.	2	325	1240c	Received by: (Separture)	Date 3			Time	)			<u>T1</u>			_ I	2	<u>T3</u>
Relinquish	ed by: (Signatu	re)	Date		Time	Received by: (Signature)	Date			Time		]		AVG	Ten	np °C	4		
	riv: C - Cail Ed - C	olid Se - Slu	dge. A - Aqu	eous, O - Oth	er		Cor	ntainer	Type:	g - gla	ss, p -	poly/					ISS, V -	VOA	1



envirotecher glass, v-voa
nt expense. The report for the analysis of the above

envirotech Inc.

Printed: 3/4/2025 8:46:47AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	03/04/25 (	06:00	Work Order ID:	E503003
Phone:	(972) 371-5200	Date Logged In:	03/03/25	14:39	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/04/25	17:00 (0 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	imples dropped off by client or carrier?		Yes	Carrier: Cour	<u>rier</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Comment</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>ooler</u>					
	ample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C			
Sample C	•	<u></u>	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	el					
20. Were 1	— field sample labels filled out with the minimum info	ormation:				
Sa	imple ID?		Yes			
	ate/Time Collected?		Yes	<u> </u>		
	ollectors name?		Yes			
	reservation		NT.			
	the COC or field labels indicate the samples were pr	reserveu?	No			
	mple(s) correctly preserved? filteration required and/or requested for dissolved n	antolo?	NA Na			
	•	ictais:	No			
	se Sample Matrix	0				
	the sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontr	act Laboratory					
	mples required to get sent to a subcontract laborato	•	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab: N.	A	
Client In	struction					

Date

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



### **APPENDIX E**

### **NMOCD Notifications**

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 416116

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	416116
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ocation of Release Source							
Please answer all the questions in this group.							
Site Name	Dagger State unit 002						
Date Release Discovered	12/31/2024						
Surface Owner	State						

Incident Details	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 fo	r the volumes provided should be attached to the follow-up C-141 submission.							
Crude Oil Released (bbls) Details	Cause: Other   Producing Well   Crude Oil   Released: 6 BBL   Recovered: 0 BBL   Lost: 6 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
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS, Page 2

Action 416116

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	416116
	Action Type:
	[NOTIFY] Notification Of Release (NOR)
QUESTIONS	

### QUEUTION

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.  No  Reasons why this would be considered a submission for a notification of a major release  With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		Nature and Volume of Release (continued)		
Reasons why this would be considered a submission for a notification of a major release  Unavailable.		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.	
release 'Unavailable.	ı	Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		, , , , , , , , , , , , , , , , , , ,	Unavailable.	
	With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.			

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	

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

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 416116

### **ACKNOWLEDGMENTS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	416116
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

### **ACKNOWLEDGMENTS**

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 416116

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	416116
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

### CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial	12/31/2024
	C-141.	

Impacted Soil	
Saturated Soil (inches)	
	0.2
Area (sq. ft.)	
	<mark>1179</mark>
Standing fluids	
inches of standing fluid	
bbl estimate of standing fluids	
barrels recovered (if known)	
Soil type	
pad caliche	
Spill type	
oil(crude)	
Barrel estimate in soil	
	5
Barrel estimate (standing fluids/ recovered+in soil)	
	5

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

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

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

QUESTIONS

Action 416417

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	416417
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

Prerequisites	
Incident ID (n#)	nAPP2436643561
Incident Name	NAPP2436643561 DAGGER STATE UNIT 002 @ 30-025-41178
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-41178] DAGGER STATE UNIT #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Dagger State unit 002
Date Release Discovered	12/31/2024
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: Other   Producing Well   Crude Oil   Released: 6 BBL   Recovered: 0 BBL   Lost: 6 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.	

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 416417

QUESTIONS (continued)

Operator:  MATADOR PRODUCTION COMPANY		OGRID: 228937
One Lincoln Centre		Action Number:
Dallas, TX 75240		416417 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 ve	olumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No	
Reasons why this would be considered a submission for a notification of a major release	Unavailable.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the	he C-129 form.
Initial Response		
The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in inju	ıry.
The source of the release has been stopped	True	•
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remed actions to date in the follow-up C-141 submission. If remedial efforts have been successfully comple Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure	eted or if the release occurred within a	a lined containment area (see Subparagraph (a) of Paragraph (5) of
I hereby certify that the information given above is true and complete to the best of my to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 repolocal laws and/or regulations.	eases which may endanger public adequately investigate and remo	c health or the environment. The acceptance of a C-141 report by ediate contamination that pose a threat to groundwater, surface
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matad Date: 01/02/2025	dorresources.com

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

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

QUESTIONS, Page 3

Action 416417

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	416417
	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. storage site

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

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 416417

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	416417
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

### CONDITIONS

(	Created By	Condition	Condition Date
	scott.rodgers	None	1/2/2025

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

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

QUESTIONS

Action 429491

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	429491
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2436643561
Incident Name	NAPP2436643561 DAGGER STATE UNIT 002 @ 30-025-41178
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41178] DAGGER STATE UNIT #002H

Location of Release Source	
Site Name	Dagger State unit 002
Date Release Discovered	12/31/2024
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	13,533	
What is the estimated number of samples that will be gathered	72	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/12/2025	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575)-909-3249	
Please provide any information necessary for navigation to sampling site	32.4296775,-103.6034647	

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 429491

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	429491
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

### CONDITIONS

Created By		Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/7/2025

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

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

QUESTIONS

Action 429493

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	429493
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2436643561
Incident Name	NAPP2436643561 DAGGER STATE UNIT 002 @ 30-025-41178
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41178] DAGGER STATE UNIT #002H

ocation of Release Source	
Site Name	Dagger State unit 002
Date Release Discovered	12/31/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,533
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575)-909-3249
Please provide any information necessary for navigation to sampling site	32.4296775,-103.6034647

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 429493

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	429493
	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.	2/7/2025

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

QUESTIONS

Action 429494

### QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	429494
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2436643561
Incident Name	NAPP2436643561 DAGGER STATE UNIT 002 @ 30-025-41178
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41178] DAGGER STATE UNIT #002H

Location of Release Source	
Site Name	Dagger State unit 002
Date Release Discovered	12/31/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	13,533
What is the estimated number of samples that will be gathered	72
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/14/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575)-909-3249
Please provide any information necessary for navigation to sampling site	32.4296775,-103.6034647

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 429494

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	429494
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

### CONDITIONS

Created By		Condition Date
j_touchet	ouchet 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.	

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

QUESTIONS

Action 429495

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	429495
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2436643561
Incident Name	NAPP2436643561 DAGGER STATE UNIT 002 @ 30-025-41178
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41178] DAGGER STATE UNIT #002H

ocation of Release Source	
Site Name	Dagger State unit 002
Date Release Discovered	12/31/2024
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	13,533	
What is the estimated number of samples that will be gathered	72	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/15/2025	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575)-909-3249	
Please provide any information necessary for navigation to sampling site	32.4296775,-103.6034647	

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 429495

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	429495
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

### CONDITIONS

Created By	Condition	Condition Date
j_touche	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.	2/7/2025

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

QUESTIONS

Action 435817

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	435817
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2436643561
Incident Name	NAPP2436643561 DAGGER STATE UNIT 002 @ 30-025-41178
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41178] DAGGER STATE UNIT #002H

ocation of Release Source	
Site Name	Dagger State unit 002
Date Release Discovered	12/31/2024
Surface Owner	State

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	13,533	
What is the estimated number of samples that will be gathered	72	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/28/2025	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	Jimmy Gonzalez (575)-909-3249	
Please provide any information necessary for navigation to sampling site	32.4296775,-103.6034647	

General Information Phone: (505) 629-6116

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

CONDITIONS

Action 435817

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	435817
	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.	2/26/2025

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

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

QUESTIONS

Action 440567

### **QUESTIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	440567
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Prerequisites	
Incident ID (n#)	nAPP2436643561
Incident Name	NAPP2436643561 DAGGER STATE UNIT 002 @ 30-025-41178
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-41178] DAGGER STATE UNIT #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Dagger State unit 002
Date Release Discovered	12/31/2024
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	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Other   Producing Well   Crude Oil   Released: 6 BBL   Recovered: 0 BBL   Lost: 6 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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# 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 440567

QUESTIONS (continued)	
Operator:  MATADOR PRODUCTION COMPANY  One Lincoln Centre  Dallas, TX 75240	OGRID: 228937 Action Number: 440567 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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response  The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative led or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 03/10/2025

Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 440567

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	440567
	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 ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)	
Any other fresh water well or spring	Between ½ and 1 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between ½ and 1 (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 that apply or are indicated. This information must be provided	d 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 demonstrating the lateral and vertical extents of soil contamina	ation 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 extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in	milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	5130	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1845	
GRO+DRO (EPA SW-846 Method 8015M)	969	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	02/12/2025	
On what date will (or did) the final sampling or liner inspection occur	02/28/2025	
On what date will (or was) the remediation complete(d)	02/28/2025	
What is the estimated surface area (in square feet) that will be reclaimed	0	
What is the estimated volume (in cubic yards) that will be reclaimed	0	
What is the estimated surface area (in square feet) that will be remediated	13493	
What is the estimated volume (in cubic yards) that will be remediated	273	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

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

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 4

Action 440567

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	440567
	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	
· · · · · · · · · · · · · · · · · · ·	
(Select all answers below that apply.)	
(Ex Situ) Excavation and <b>off-site</b> 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, LLC
(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: 03/10/2025

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.

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 5

Action 440567

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	440567
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

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

QUESTIONS, Page 6

Action 440567

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	440567
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	435817
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/28/2025
What was the (estimated) number of samples that were to be gathered	72
What was the sampling surface area in square feet	13533

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	13493	
What was the total volume (cubic yards) remediated	273	
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	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	N/A	

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

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: EHS Field Rep
Email: jason.touchet@matadorresources.com
Date: 03/10/2025

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 440567

**QUESTIONS** (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	440567
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

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

CONDITIONS

Action 440567

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	440567
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### CONDITIONS

Created By		Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	4/1/2025