



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

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.

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 SS03A 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

A handwritten signature in black ink, appearing to read "CHAD HAMILTON".

Chad Hamilton
Project Geologist

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

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

Appendices:

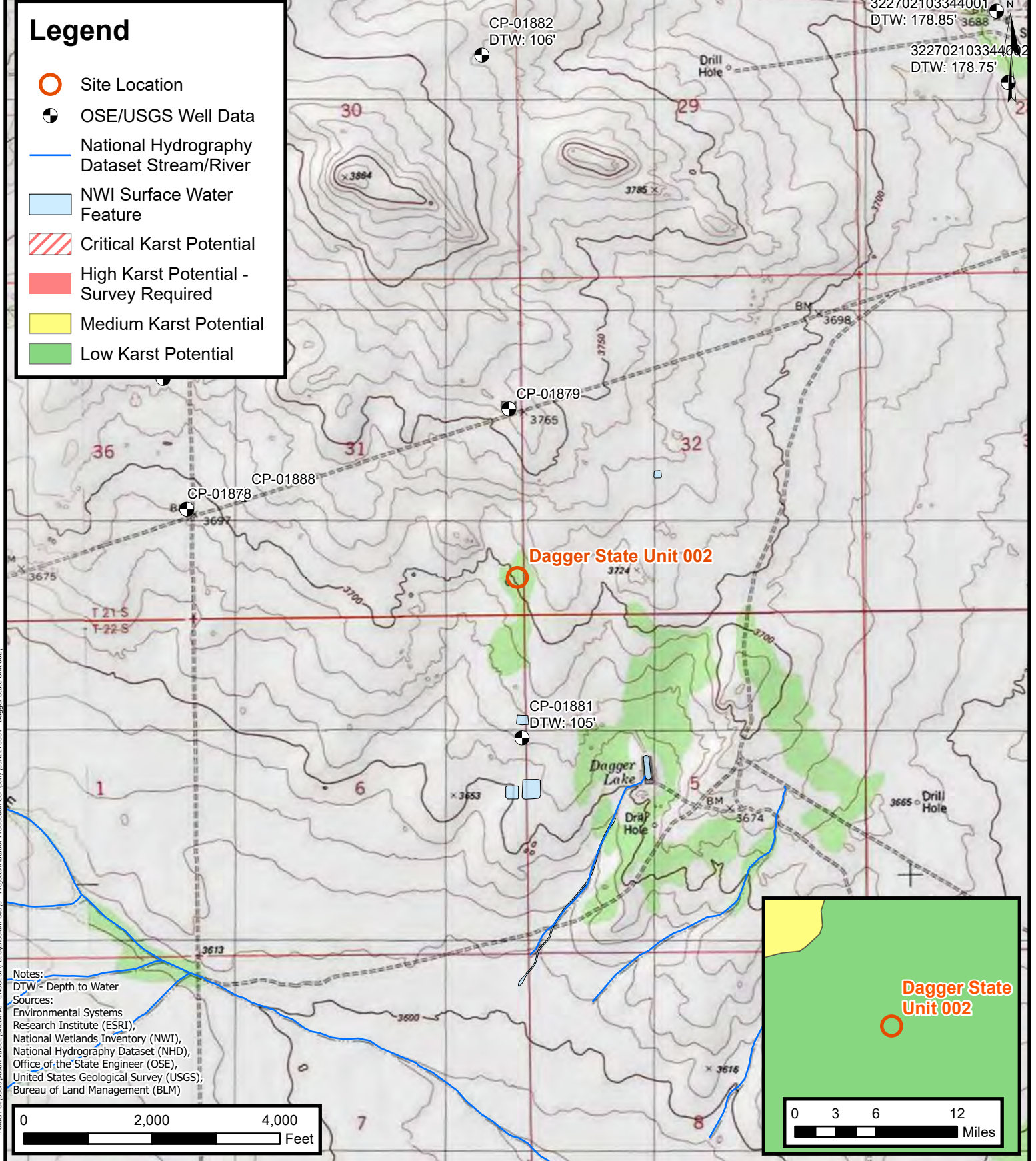
Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Excavation Floor Soil Samples)
Appendix A	Well Log and Record
Appendix B	Lithologic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



FIGURES

Legend

- Site Location
- OSE/USGS Well Data
- National Hydrography Dataset Stream/River
- NWI Surface Water Feature
- ▨ Critical Karst Potential
- High Karst Potential - Survey Required
- Medium Karst Potential
- Low Karst Potential



Site Receptor Map

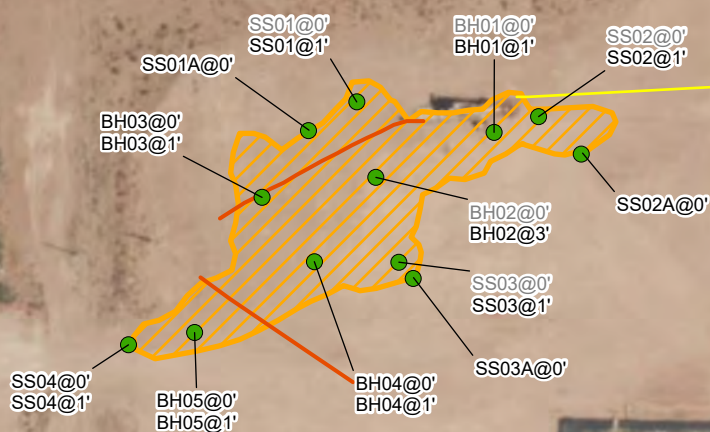
Matador Production Company
 Dagger State Unit 002
 Incident Number: nAPP2436643561
 Unit P, Section 31, T 21S, R 33E
 Lea County, New Mexico

FIGURE

1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Release Extent



Notes:
Sample ID @ Depth Below Ground Surface.

0 25 50 100 150 200
Feet

Sources: Environmental Systems Research Institute (ESRI)



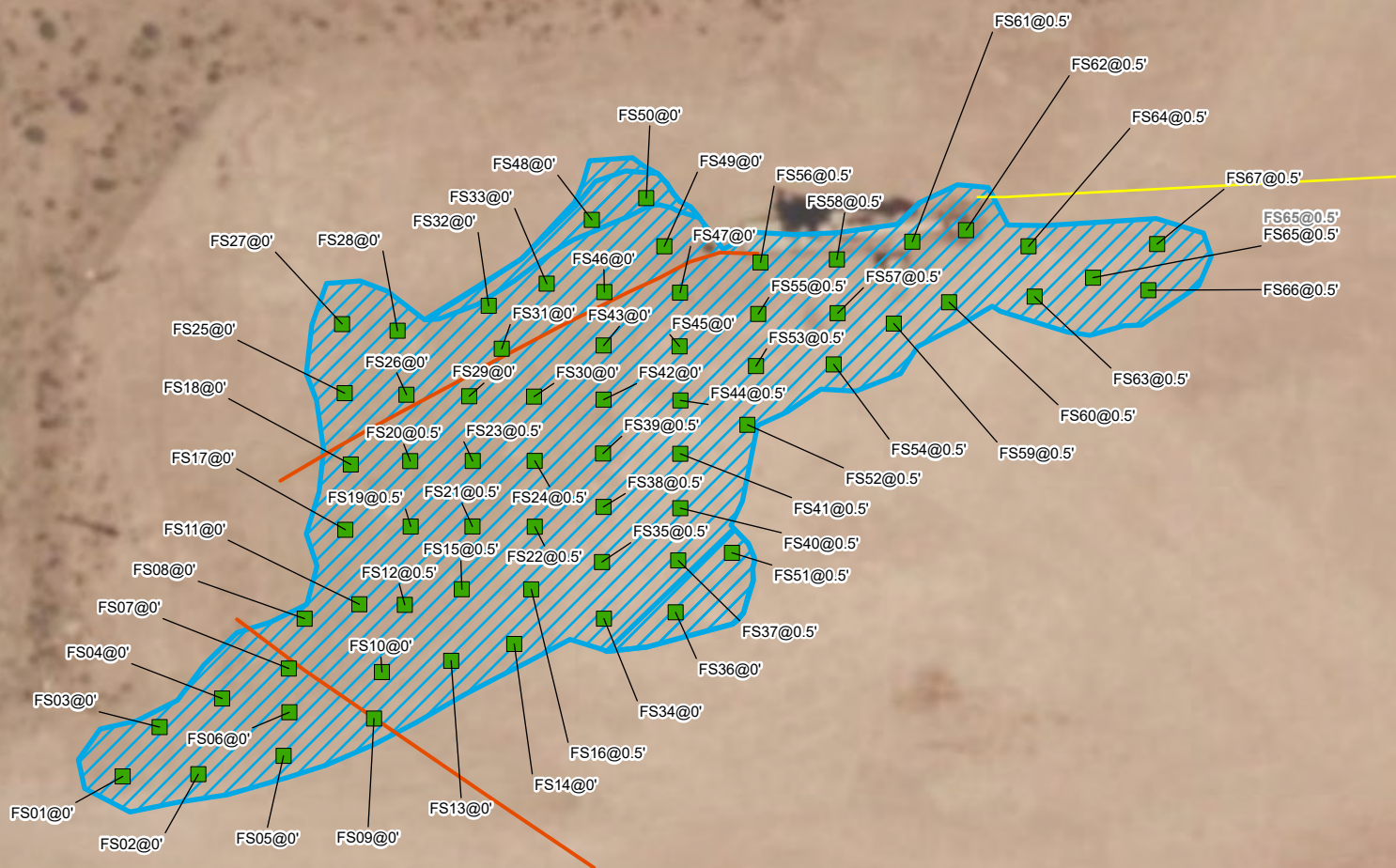
Delineation Soil Sample Locations

Matador Production Company
Dagger State Unit 002
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Unit P, Section 31, T 21S, R 33E
Lea County, New Mexico

FIGURE
2

Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- ▨ Excavation Extent



Notes:
Sample ID @ Depth Below Ground Surface.

0 10 20 40 60 80
Feet

Sources: Environmental Systems Research Institute (ESRI)



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
Delineation Soil Samples										
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

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger 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
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 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										
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

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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil 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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1881			
	WELL OWNER NAME(S) Advanced Energy Partners				PHONE (OPTIONAL) 832.672.4700			
	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Stuit 950				CITY Houston	STATE TX	ZIP 77077	
	WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 25	SECONDS 22	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LATITUDE 103		36	12			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE SE NE Sec. 06 T22S R33E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 10/12/2021		DRILLING ENDED 10/12/2021		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	105	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

OSE 01/10/2021 PM 9:14

FOR OSE INTERNAL USE


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

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

PAGE 1 OF 2

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

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

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

FOR OSE INTERNAL USE


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


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





APPENDIX B


Lithologic Soil Sampling Logs

 ENSOLUM		Sample Name: BH01		Date: 1/2/25				
		Site Name: Dagger State Unit 002						
		Incident Number: nAPP2436643561						
		Job Number: 03A2270064						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.429901, -103.603365			Logged By: Israel Estrella		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 1'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3,589		N	BH01	0	0	CCHE	Dry, Pad Caliche No Stain.
D	235		N	BH01	1	1	SP	Dry, Sand, Poorly Graded, No Stain.
						Total Depth 1 ft.		

		Sample Name: BH02		Date: 1/2/25				
		Site Name: Dagger State Unit 002						
		Incident Number: nAPP2436643561						
		Job Number: 03A2270064						
LITHOLOGIC / SOIL SAMPLING LOG								
32.429839, -103.603565			Logged By: Israel Estrella		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 3'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3589		N	BH02	0	0	CCHE	Dry, Pad Caliche, No Stain.
D	1478		N	BH02	1	1	SP	Dry, Sand, Poorly Graded, No Stain.
D	1080		N	BH02	2	2		
D	414		N	BH02	3	3		
Total Depth 3 ft.								

								Sample Name: BH03		Date: 1/2/25	
								Site Name: Dagger State Unit 002			
								Incident Number: nAPP2436643561			
								Job Number: 03A2270064			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.429813, -103.603758								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	235		N	BH03	0	0	CCHE	Dry, Pad Caliche No Stain.			
D	162		N	BH03	1	1	SP	Dry, Sand, Poorly Graded, No Stain.			
Total Depth 1 ft.											

								Sample Name: BH04		Date: 1/2/25	
								Site Name: Dagger State Unit 002			
								Incident Number: nAPP2436643561			
								Job Number: 03A2270064			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.429719, -103.603671								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	162		N	BH04	0	0	CCHE	Dry, Pad Caliche No Stain.			
D	274		N	BH04	1	1	SP	Dry, Sand, Poorly Graded, No Stain.			
Total Depth 1 ft.											

								Sample Name: BH05		Date: 1/2/25	
								Site Name: Dagger State Unit 002			
								Incident Number: nAPP2436643561			
								Job Number: 03A2270064			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.429620, -103.603875								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	162		N	BH05	0	0	CCHE	Dry, Pad Caliche No Stain.			
D	369		N	BH05	1	1	SP	Dry, Sand, Poorly Graded, No Stain.			
Total Depth 1 ft.											



APPENDIX C

Photographic Log



Photographic Log

Matador Production Company

Dagger State Unit 002

nAPP2436643561

East Elevation

☉ 277°W (T) LAT: 32.429680 LON: -103.603600 ±13ft ▲ 3713ft



Spill Area
Ensolum, LLC

Dagger State #002
12-31-2024 10:00:34

South West Elevation

☉ 23°NE (T) LAT: 32.429698 LON: -103.603587 ±13ft ▲ 3710ft



Spill Area
Ensolum, LLC

Dagger State #002
12-31-2024 10:01:14

Photograph 1

Date: 12/31/2024

Description: Spill Area

View: West

Photograph 2

Date: 12/31/2024

Description: Spill Area

View: Northeast

South West Elevation

☉ 29°NE (T) LAT: 32.429707 LON: -103.603577 ±13ft ▲ 3708ft



Spill Area
Ensolum, LLC

Dagger State #002
12-31-2024 10:01:25

South Elevation

☉ 21°N (T) LAT: 32.429706 LON: -103.603578 ±13ft ▲ 3709ft



Spill Area
Ensolum, LLC

Dagger State #002
12-31-2024 10:01:31

Photograph 3

Date: 12/31/2024

Description: Spill Area

View: Northeast

Photograph 4

Date: 12/31/2024

Description: Spill Area

View: North



Photographic Log

Matador Production Company

Dagger State Unit 002

nAPP2436643561



Photograph 5

Date:01/02/2025

Description: Lease Sign

View: East



Photograph 6

Date:01/02/2025

Description: SS01

View: East



Photograph 7

Date:01/02/2025

Description: SS02

View: West



Photograph 8

Date:01/02/2025

Description: SS03

View: Northwest



Photographic Log

Matador Production Company

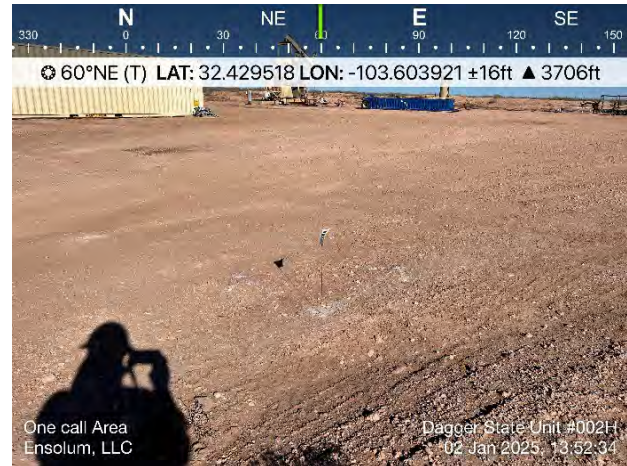
Dagger State Unit 002

nAPP2436643561



Photograph 9
Description: SS04
View: Northeast

Date:01/02/2025



Photograph 10
Description: One Call Area
View: Northeast

Date:01/02/2025



Photograph 11
Description: One Call Area
View: West

Date:01/02/2025



Photograph 12
Description: One Call Area
View: Southwest

Date:01/02/2025

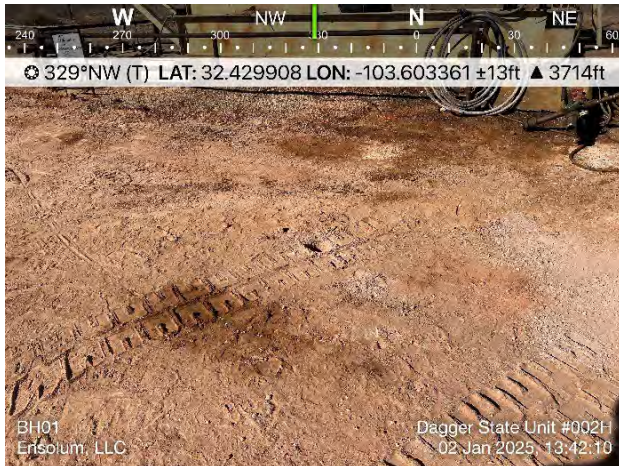


Photographic Log

Matador Production Company

Dagger State Unit 002

nAPP2436643561



Photograph 13
Description: BH01
View: Northwest

Date:01/02/2025



Photograph 14
Description: BH02
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

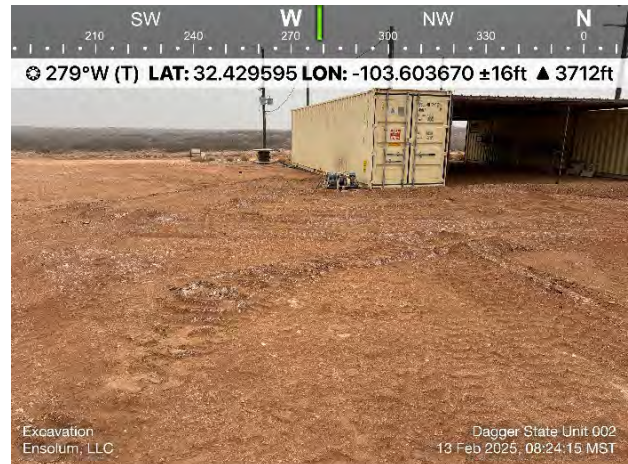
Dagger State Unit 002

nAPP2436643561



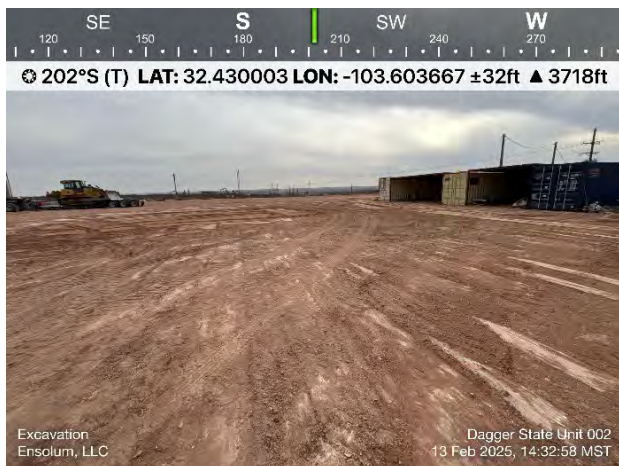
Photograph 21
Description: Excavation
View: Northeast

Date:02/13/2025



Photograph 22
Description: Excavation
View: West

Date:02/13/2025



Photograph 23
Description: Excavation
View: South

Date:02/13/2025



Photograph 24
Description: Excavation
View: Southwest

Date:02/13/2025



Photographic Log

Matador Production Company

Dagger State Unit 002

nAPP2436643561



Photograph 13
Description: Excavation
View: North

Date:02/14/2025



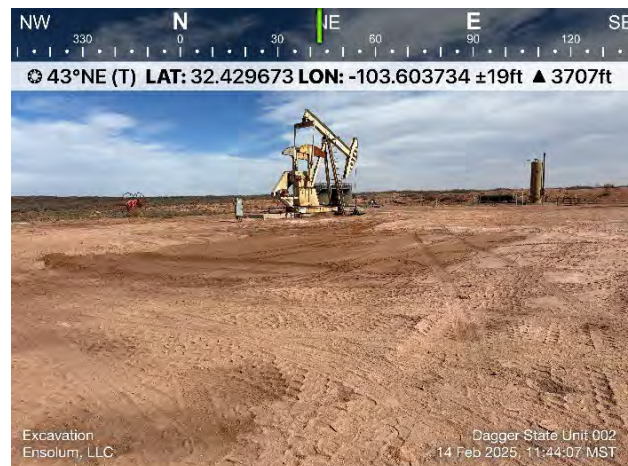
Photograph 14
Description: Excavation
View: North

Date:02/14/2025



Photograph 15
Description: Excavation
View: North

Date:02/14/2025



Photograph 16
Description: Excavation
View: Northeast

Date:02/14/2025



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

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SS04-1'	13
BH01-0'	14
BH01-1'	15
BH02-0'	16
BH02-1'	17
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 01/08/25 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.



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

SS01-0'

E501018-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2502003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		115 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2502011	
Chloride	4040	40.0	2	01/06/25	01/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/8/2025 1:55:41PM
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SS01-1'

E501018-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.0 %	70-130		01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2502003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.4 %	70-130		01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	112 %	50-200		01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2502011	
Chloride	459	20.0	1	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

SS02-0'

E501018-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2502003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.5 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		120 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2502011	
Chloride	3160	40.0	2	01/06/25	01/06/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/8/2025 1:55:41PM
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SS02-1'

E501018-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2502003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.3 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		117 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2502011	
Chloride	377	20.0	1	01/06/25	01/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/8/2025 1:55:41PM
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SS03-0'

E501018-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2502003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.2 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		114 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2502011	
Chloride	1040	20.0	1	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

SS03-1'

E501018-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.5 %	70-130		01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/06/25	01/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2502011
Chloride	84.1	20.0	1	01/06/25	01/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/8/2025 1:55:41PM
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SS04-0'

E501018-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2502003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.9 %	70-130		01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/06/25	01/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2502011	
Chloride	80.7	20.0	1	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

SS04-1'

E501018-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2502003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.1 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		119 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2502011	
Chloride	139	20.0	1	01/06/25	01/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/8/2025 1:55:41PM
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BH01-0'

E501018-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2502003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.0 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		115 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2502011	
Chloride	5130	40.0	2	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

BH01-1'

E501018-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.8 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		120 %	50-200	01/06/25	01/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2502011
Chloride	199	20.0	1	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

BH02-0'

E501018-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.3 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2502011
Chloride	4940	40.0	2	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

BH02-1'

E501018-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.5 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2502011
Chloride	1150	20.0	1	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

BH03-0'

E501018-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.9 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2502011
Chloride	174	20.0	1	01/06/25	01/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/8/2025 1:55:41PM
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BH03-1'

E501018-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2502003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		01/06/25	01/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2502011	
Chloride	103	20.0	1	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

BH04-0'

E501018-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.4 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2502011
Chloride	104	20.0	1	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

BH04-1'

E501018-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.6 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2502011
Chloride	175	20.0	1	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

BH05-0'

E501018-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502003
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/25	01/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.1 %	70-130	01/06/25	01/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	01/06/25	01/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2502011
Chloride	68.0	20.0	1	01/06/25	01/07/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/8/2025 1:55:41PM

BH05-1'

E501018-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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		Analyst: 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		Analyst: 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		Analyst: AK		Batch: 2502011
Chloride	342	20.0	1	01/06/25	01/07/25	



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

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502003-BLK1) Prepared: 01/06/25 Analyzed: 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) Prepared: 01/06/25 Analyzed: 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			
o-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) Prepared: 01/06/25 Analyzed: 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	
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.7	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502003-BLK1) Prepared: 01/06/25 Analyzed: 01/06/25

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

LCS (2502003-BS2) Prepared: 01/06/25 Analyzed: 01/06/25

Gasoline Range Organics (C6-C10)	38.2	20.0	50.0		76.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130			

LCS Dup (2502003-BSD2) Prepared: 01/06/25 Analyzed: 01/06/25

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.6	70-130	11.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	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	1/8/2025 1:55:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502008-BLK1)					Prepared: 01/06/25 Analyzed: 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: 01/06/25 Analyzed: 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: 01/06/25 Analyzed: 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: 01/06/25 Analyzed: 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			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/8/2025 1:55:41PM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502011-BLK1)					Prepared: 01/06/25 Analyzed: 01/06/25				
Chloride	ND	20.0							
LCS (2502011-BS1)					Prepared: 01/06/25 Analyzed: 01/06/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2502011-MS1)					Source: E501018-03		Prepared: 01/06/25 Analyzed: 01/07/25		
Chloride	3400	40.0	250	3160	96.2	80-120			
Matrix Spike Dup (2502011-MSD1)					Source: E501018-03		Prepared: 01/06/25 Analyzed: 01/07/25		
Chloride	3090	40.0	250	3160	NR	80-120	9.46	20	M4

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dagger 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

- M4Matrix 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.
- NDAnalyte NOT DETECTED at or above the reporting limit
- NRNot Reported
- RPDRelative Percent Difference
- DNIDid Not Ignite
- DNRDid not react with the addition of acid or base.

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

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

Chain of Custody

Page 1 of 2

Client Information					Invoice Information			Lab Use Only			TAT			State			
Client: Matador Production Company					Company: Ensolum LLC			Lab WO# E501018			Job Number 23103-002			1D 2D 3D Std			
Project: Daggers State Unit 002					Address: 3122 National Parks Hwy									NM CO UT TX			
Project Manager: Ashley Giovengo					City, State, Zip: Carlsbad NM, 88220												
Address: 3122 National Parks Hwy					Phone: 575-988-0055												
City, State, Zip: Carlsbad NM, 88220					Email: agiovengo@ensolum.com												
Phone: 575-988-0055					Miscellaneous:												
Email: agiovengo@ensolum.com																	
Sample Information										Analysis and Method					EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
11:00	1/2/25	S	1	SS01 - 0'		1						X					
11:10				SS01 - 1'		2						X					
11:12				SS02 - 0'		3						X					
11:14				SS02 - 1'		4						X					
11:16				SS03 - 0'		5						X					
11:19				SS03 - 1'		6						X					
11:21				SS04 - 0'		7						X					
11:24				SS04 - 1'		8						X					
11:27				BH01 - 0'		9						X					
11:31				BH01 - 1'		10						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Israel Estrella																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Oluwale Aderinto		1/3/25	8:05	Michelle Gonzales		1-3-25	0805										
Michelle Gonzales		1-3-25	1530	L.H.		1-3-25	1600										
L.H.		1-3-25	2243	Caitlin Mann		1-6-25	730										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

Client Information	
Client: Matador Production Company	Project: Bagger State Unit 002
Project Manager: Ashley Giovenro	Address: 3122 National Parks Hwy
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055
Email: agiovenro@ensolum.com	

Invoice Information	
Company: Ensolum LLC	Address: 3122 National Parks Hwy
City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055
Email: agiovenro@ensolum.com	
Miscellaneous:	

Lab Use Only		Analysis and Method		EPA Program	
Lab WO#	Job Number	1D	2D	3D	Std
EC9018	2803002				
TAT		SDWA		CWA	
State		NM		CO	
		UT		TX	
		Y		OR	
		N			
Compliance		PW/SID #		Remarks	

Time	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCQA 1005 - TX	RCQA 8 Metals	Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number
11:38	01/09/25	S	1	BH02-0		11					X										
11:35	01/09/25			BH02-1		12					X										
11:37	01/09/25			BH03-0		13					X										
11:40	01/09/25			BH03-1		14					X										
11:42	01/09/25			BH04-0		15					X										
11:44	01/09/25			BH04-1		16					X										
11:47	01/09/25			BH05-0		17					X										
11:50	01/09/25			BH05-1		18					X										

Additional Instructions: Please CC: cburton@ensolum.com, agiovenro@ensolum.com, festrella@ensolum.com, chamliton@ensolum.com, bsimmons@ensolum.com	
1. (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.	
Sampled by: Israel Estrella	
Relinquished by: (Signature) <i>Olivia Anderson</i>	
Date	1/3/25
Time	8:05
Relinquished by: (Signature) <i>Michelle Gonzales</i>	
Date	1-3-25
Time	1530
Relinquished by: (Signature) <i>M.K.</i>	
Date	1-3-25
Time	1600
Relinquished by: (Signature) <i>Christina</i>	
Date	1-6-25
Time	730
Relinquished by: (Signature)	
Date	
Time	
Sample Matrix: S - Soil, SD - Solid, SG - Sludge, A - Aqueous, O - Other	
Container type: G - glass, P - poly/plastic, AG - amber glass, V - VOA	
AVG Temp °C	
T1	
T2	
T3	
4	
Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N	
Lab Use Only	
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days	
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

Envirotech Analytical Laboratory

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

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)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Field Offices:

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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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	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.



Sample Data

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

Project Name: Dagger State Unit 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/15/2025 11:30:51AM

BH02-3'

E501044-01

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	01/09/25	01/10/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	01/09/25	01/10/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	01/09/25	01/10/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	01/09/25	01/10/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		109 %	50-200	01/09/25	01/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2502078
Chloride	306	20.0	1	01/09/25	01/09/25	



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

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

Blank (2502075-BLK1) Prepared: 01/09/25 Analyzed: 01/10/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 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: 01/09/25 Analyzed: 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			
Toluene	2.23	0.0250	2.50		89.2	70-130			
o-Xylene	2.44	0.0250	2.50		97.6	70-130			
p,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: 01/09/25 Analyzed: 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: 01/09/25 Analyzed: 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			
Surrogate: Toluene-d8	0.524		0.500		105	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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502075-BLK1)

Prepared: 01/09/25 Analyzed: 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: 01/09/25 Analyzed: 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: 01/09/25 Analyzed: 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: E501047-08

Prepared: 01/09/25 Analyzed: 01/14/25

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0	ND	111	70-130	5.53	20	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502077-BLK1)					Prepared: 01/09/25 Analyzed: 01/10/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.0		50.0		110	50-200			

LCS (2502077-BS1)					Prepared: 01/09/25 Analyzed: 01/10/25				
Diesel Range Organics (C10-C28)	229	25.0	250		91.6	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike (2502077-MS1)					Source: E501036-07		Prepared: 01/09/25 Analyzed: 01/10/25		
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			

Matrix Spike Dup (2502077-MSD1)					Source: E501036-07		Prepared: 01/09/25 Analyzed: 01/10/25		
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.6	38-132	3.12	20	
Surrogate: n-Nonane	53.4		50.0		107	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/15/2025 11:30:51AM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502078-BLK1)					Prepared: 01/09/25 Analyzed: 01/09/25				
Chloride	ND	20.0							
LCS (2502078-BS1)					Prepared: 01/09/25 Analyzed: 01/09/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2502078-MS1)					Source: E501036-06		Prepared: 01/09/25 Analyzed: 01/09/25		
Chloride	510	20.0	250	256	102	80-120			
Matrix Spike Dup (2502078-MSD1)					Source: E501036-06		Prepared: 01/09/25 Analyzed: 01/09/25		
Chloride	515	20.0	250	256	103	80-120	0.859	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 Unit 2	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
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.



Chain of Custody

[illegible]

envirotecl

Envirotech Analytical Laboratory

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

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)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 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.



Sample Data

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

Project Name: Dagger State 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/28/2025 5:10:00PM

SS01A @ 0'

E501169-01

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	01/24/25	01/26/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	01/24/25	01/26/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	01/24/25	01/26/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	01/24/25	01/26/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		105 %	50-200	01/24/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2504123
Chloride	33.0	20.0	1	01/24/25	01/24/25	



Sample Data

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

Project Name: Dagger State 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/28/2025 5:10:00PM

SS02A @ 0'

E501169-02

Analyte	Result	Reporting Limit	Dilution	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		101 %	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		106 %	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		101 %	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		106 %	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		113 %	50-200	01/24/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2504123
Chloride	276	20.0	1	01/24/25	01/24/25	



Sample Data

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

Project Name: Dagger State 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/28/2025 5:10:00PM

SS03A @ 0'

E501169-03

Analyte	Result	Reporting Limit	Dilution	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		100 %	70-130	01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	01/24/25	01/26/25	
Surrogate: Toluene-d8		105 %	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		100 %	70-130	01/24/25	01/26/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	01/24/25	01/26/25	
Surrogate: Toluene-d8		105 %	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	01/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/25	01/25/25	
Surrogate: n-Nonane		108 %	50-200	01/24/25	01/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504123	
Chloride	160	20.0	1	01/24/25	01/24/25	



QC Summary Data

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

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504118-BLK1)

Prepared: 01/24/25 Analyzed: 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: 01/24/25 Analyzed: 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: 01/24/25 Analyzed: 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			
Surrogate: Toluene-d8	0.607		0.500		121	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504118-BLK1) Prepared: 01/24/25 Analyzed: 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: 01/24/25 Analyzed: 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: 01/24/25 Analyzed: 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			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504125-BLK1)					Prepared: 01/24/25 Analyzed: 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: 01/24/25 Analyzed: 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: E501170-01		Prepared: 01/24/25 Analyzed: 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: E501170-01		Prepared: 01/24/25 Analyzed: 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			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/28/2025 5:10:00PM
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Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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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: E501152-02		Prepared: 01/24/25 Analyzed: 01/24/25		
Chloride	561	100	250	302	103	80-120			
Matrix Spike Dup (2504123-MSD1)					Source: E501152-02		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.



Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State											
Client: Matador				Company: Ensolum LLC		Lab WO# E501169		Job Number 23003-0002		1D 2D 3D Std X				NM CO UT TX X									
Project: Dagger State 002				Address: 3122 National Parks Hwy		City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055		Email: agiovento@ensolum.com		Miscellaneous:				Analysis and Method				EPA Program			
Project Manager: Ashley Giovento				Address: 3122 National Parks Hwy		City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055		Email: agiovento@ensolum.com		Miscellaneous:				SDWA CWA RCRA				Compliance Y or N			
Address: 3122 National Parks Hwy				City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055		Email: agiovento@ensolum.com		Miscellaneous:				PWSID #				Remarks					
City, State, Zip: Carlsbad NM, 88220				Phone: 575-988-0055		Email: agiovento@ensolum.com		Miscellaneous:				PWSID #				Remarks							
Phone: 575-988-0055				Email: agiovento@ensolum.com		Miscellaneous:				PWSID #				Remarks									
Email: agiovento@ensolum.com				Miscellaneous:		PWSID #				Remarks													
Sample Information																							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks								
10:23	1/22/2025	S	1	SS01A @ 0'		1						X											
11:28	1/22/2025	S	1	SS02A @ 0'		2						X											
9:18	1/22/2025	S	1	SS03A @ 0'		3						X											
Additional Instructions: Please CC: agiovento@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Higinio Gonzalez																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.															
Michelle Gonzalez		01-23-25	0800	Michelle Gonzalez		1-23-25	0800	Lab Use Only															
Michelle Gonzalez		1-23-25	1515	Michelle Gonzalez		1-23-25	1700	Received on ice: Y N															
Michelle Gonzalez		1-23-25	2400	Michelle Gonzalez		1-24-25	730	T1 T2 T3															
Michelle Gonzalez				Michelle Gonzalez				AVG Temp °C 4															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							



envirotech

Envirotech Analytical Laboratory

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

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	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	01/30/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/18/25

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Dagger State Unit 002

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

02/18/25 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.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/18/2025 9:21:30AM
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FS12 @ 0.5'

E502117-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.3 %	70-130	02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2507116	
Chloride	148	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS15 @ 0.5'

E502117-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.5 %	70-130		02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507116
Chloride	405	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS16 @ 0.5'

E502117-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.6 %	70-130		02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507116
Chloride	466	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS19 @ 0.5'

E502117-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	83.6 %	70-130		02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.5 %	70-130		02/14/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	99.7 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2507116	
Chloride	164	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS20 @ 0.5'

E502117-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.3 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2507116	
Chloride	138	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS21 @ 0.5'

E502117-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.7 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 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	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507116
Chloride	278	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS22 @ 0.5'

E502117-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	82.8 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.7 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	104 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2507116	
Chloride	217	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS23 @ 0.5'

E502117-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.0 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 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	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2507116	
Chloride	223	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS24 @ 0.5'

E502117-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.9 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507116
Chloride	182	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS35 @ 0.5'

E502117-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.0 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 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	
<i>Surrogate: n-Nonane</i>						
	99.7 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507116
Chloride	447	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS37 @ 0.5'

E502117-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.9 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507116
Chloride	243	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS38 @ 0.5'

E502117-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.6 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507116
Chloride	204	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS39 @ 0.5'

E502117-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.9 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2507112	
Diesel Range Organics (C10-C28)	100	25.0	1	02/14/25	02/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/14/25	02/14/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2507116	
Chloride	209	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS40 @ 0.5'

E502117-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.8 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507116
Chloride	288	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS41 @ 0.5'

E502117-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.3 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2507103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2507116	
Chloride	242	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS44 @ 0.5'

E502117-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.0 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 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	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507116
Chloride	674	20.0	1	02/14/25	02/14/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/18/2025 9:21:30AM
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FS51 @ 0.5'

E502117-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	81.3 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.8 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	105 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2507116	
Chloride	256	20.0	1	02/14/25	02/14/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/18/2025 9:21:30AM

FS52 @ 0.5'

E502117-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	80.9 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/25	02/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.9 %	70-130		02/14/25	02/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 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	
<i>Surrogate: n-Nonane</i>	102 %	61-141		02/14/25	02/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2507116	
Chloride	329	20.0	1	02/14/25	02/14/25	



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

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2507103-BLK1) Prepared: 02/14/25 Analyzed: 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) Prepared: 02/14/25 Analyzed: 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			
o-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) Prepared: 02/14/25 Analyzed: 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	
Surrogate: 4-Bromochlorobenzene-PID	7.06		8.00		88.3	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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507103-BLK1) Prepared: 02/14/25 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: 02/14/25 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: 02/14/25 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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507112-BLK1)					Prepared: 02/14/25 Analyzed: 02/14/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.7		50.0		99.4	61-141			

LCS (2507112-BS1)					Prepared: 02/14/25 Analyzed: 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: 02/14/25 Analyzed: 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			



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

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507116-BLK1)					Prepared: 02/14/25 Analyzed: 02/14/25				
Chloride	ND	20.0							
LCS (2507116-BS1)					Prepared: 02/14/25 Analyzed: 02/14/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2507116-MS1)					Source: E502117-07		Prepared: 02/14/25 Analyzed: 02/14/25		
Chloride	484	20.0	250	217	107	80-120			
Matrix Spike Dup (2507116-MSD1)					Source: E502117-07		Prepared: 02/14/25 Analyzed: 02/14/25		
Chloride	480	20.0	250	217	105	80-120	0.798	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 Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
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

Client Information					Invoice Information			Lab Use Only			TAT			State						
Client: Matador					Company: Ensolum LLC			Lab WO# E502117			Job Number 23003002			1D 2D 3D Std			NM CO UT TX			
Project: Dagger State Unit 002					Address: 3122 National Parks Hwy												X			
Project Manager: Ashley Giovengo					City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy					Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220					Email: agiovengo@ensolum.com															
Phone: 575-988-0055					Miscellaneous:															
Email: agiovengo@ensolum.com																				
Sample Information					Analysis and Method										EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA			
															Compliance	Y	or	N		
															PWSID #					
															Remarks					
1222	2-12-25	S	1	FS 12 @ 0.5'		1						X								
1216	2-12-25	S	1	FS 15 @ 0.5'		2						X								
1211	2-12-25	S	1	FS 16 @ 0.5'		3						X								
1224	2-12-25	S	1	FS 19 @ 0.5'		4						X								
1225	2-12-25	S	1	FS 20 @ 0.5'		5						X								
1217	2-12-25	S	1	FS 21 @ 0.5'		6						X								
1212	2-12-25	S	1	FS 22 @ 0.5'		7						X								
1219	2-12-25	S	1	FS 23 @ 0.5'		8						X								
1213	2-12-25	S	1	FS 24 @ 0.5'		9						X								
1206	2-12-25	S	1	FS 35 @ 0.5'		10						X								
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Higinio Gonzalez																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) N T1 _____ T2 _____ T3 _____ AVG Temp °C 4												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



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Chain of Custody

Page 2 of 2

Client Information					Invoice Information			Lab Use Only				TAT				State			
Client: Matador					Company: Ensolum LLC			Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Dagger State Unit 002					Address: 3122 National Parks Hwy			E502117		230050002					X	X			
Project Manager: Ashley Giovengo					City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy					Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220					Email: agiovengo@ensolum.com														
Phone: 575-988-0055					Miscellaneous:														
Email: agiovengo@ensolum.com																			
Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y or N
1201	2-12-25	S	1	FS 37 @ 0.5'		11						X							
1208	2-12-25	S	1	FS 38 @ 0.5'		12						X							
1209	2-12-25	S	1	FS 39 @ 0.5'		13						X							
1203	2-12-25	S	1	FS 40 @ 0.5'		14						X							
1205	2-12-25	S	1	FS 41 @ 0.5'		15						X							
1228	2-12-25	S	1	FS 44 @ 0.5'		16						X							
1157	2-12-25	S	1	FS 51 @ 0.5'		17						X							
1230	2-12-25	S	1	FS 52 @ 0.5'		18						X							
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Higinio Gonzalez																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



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Envirotech Analytical Laboratory

Printed: 2/14/2025 10:54:27AM

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:	agiovento@ensolum.com	Due Date:	02/20/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/21/25

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

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
02/21/25 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.



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS53-0.5'

E502144-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		84.1 %	70-130	02/17/25	02/18/25	
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	02/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		115 %	61-141	02/17/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508033	
Chloride	311	20.0	1	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS54-0.5'

E502144-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.9 %	70-130		02/17/25	02/18/25	
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	02/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	450	20.0	1	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS55-0.5'

E502144-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.8 %	70-130		02/17/25	02/18/25	
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	02/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		02/17/25	02/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	552	20.0	1	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS56-0.5'

E502144-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.1 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	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)	206	25.0	1	02/17/25	02/18/25	
Oil Range Organics (C28-C36)	108	50.0	1	02/17/25	02/18/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	180	20.0	1	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS57-0.5'

E502144-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.6 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	1260	20.0	1	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS58-0.5'

E502144-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.9 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508033	
Chloride	183	20.0	1	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS59-0.5'

E502144-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.9 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	658	20.0	1	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS60-0.5'

E502144-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.6 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508033	
Chloride	897	20.0	1	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS61-0.5'

E502144-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.4 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	4370	40.0	2	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS63-0.5'

E502144-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.1 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	4990	40.0	2	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS64-0.5'

E502144-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	81.3 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508033	
Chloride	7360	100	5	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS65-0.5'

E502144-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.8 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508033	
Chloride	3310	40.0	2	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS66-0.5'

E502144-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	1710	20.0	1	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
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	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.5 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508033	
Chloride	5530	40.0	2	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS30-0'

E502144-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.0 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	2650	40.0	2	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS31-0'

E502144-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.9 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	3130	40.0	2	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS32-0'

E502144-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.2 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	95.7 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	1690	40.0	2	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS33-0'

E502144-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	79.2 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508033	
Chloride	4920	40.0	2	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS42-0.5'

E502144-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.1 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	1140	20.0	1	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS43-0'

E502144-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.7 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		02/17/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508033
Chloride	5420	40.0	2	02/17/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS45-0'

E502144-21

Analyte	Result	Reporting Limit	Dilution	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
Chloride	1650	40.0	2	02/18/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS46-0'

E502144-22

Analyte	Result	Reporting Limit	Dilution	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		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	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS48-0'

E502144-24

Analyte	Result	Reporting Limit	Dilution	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		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	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
Chloride	5280	100	5	02/18/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS49-0'

E502144-25

Analyte	Result	Reporting Limit	Dilution	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		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		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		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		Analyst: 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		Analyst: DT		Batch: 2508036
Chloride	527	20.0	1	02/18/25	02/18/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/21/2025 9:30:08AM

FS50-0'

E502144-26

Analyte	Result	Reporting Limit	Dilution	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		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		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		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		Analyst: DT		Batch: 2508036
Chloride	3840	40.0	2	02/18/25	02/18/25	



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

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508019-BLK1)

Prepared: 02/17/25 Analyzed: 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: 02/17/25 Analyzed: 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: 02/17/25 Analyzed: 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			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	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	2/21/2025 9:30:08AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508020-BLK1)

Prepared: 02/17/25 Analyzed: 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: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			

LCS (2508020-BS1)

Prepared: 02/17/25 Analyzed: 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			
o-Xylene	5.14	0.0250	5.00		103	70-130			
p,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: 02/17/25 Analyzed: 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	
p,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	
Surrogate: 4-Bromochlorobenzene-PID	6.83		8.00		85.4	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508019-BLK1)

Prepared: 02/17/25 Analyzed: 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: 02/17/25 Analyzed: 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: 02/17/25 Analyzed: 02/18/25

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130	2.50	20	
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	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	2/21/2025 9:30:08AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508020-BLK1) Prepared: 02/17/25 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: 02/17/25 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: 02/17/25 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			



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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508030-BLK1)					Prepared: 02/17/25 Analyzed: 02/18/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.3		50.0		113	61-141			

LCS (2508030-BS1)					Prepared: 02/17/25 Analyzed: 02/18/25				
Diesel Range Organics (C10-C28)	306	25.0	250		122	66-144			
Surrogate: n-Nonane	61.0		50.0		122	61-141			

Matrix Spike (2508030-MS1)					Source: E502143-09		Prepared: 02/17/25 Analyzed: 02/18/25		
Diesel Range Organics (C10-C28)	304	25.0	250	ND	122	56-156			
Surrogate: n-Nonane	59.0		50.0		118	61-141			

Matrix Spike Dup (2508030-MSD1)					Source: E502143-09		Prepared: 02/17/25 Analyzed: 02/19/25		
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	56-156	1.14	20	
Surrogate: n-Nonane	60.7		50.0		121	61-141			



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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508031-BLK1) Prepared: 02/17/25 Analyzed: 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: 02/17/25 Analyzed: 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: 02/17/25 Analyzed: 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: 02/17/25 Analyzed: 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			



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

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2508033-BLK1)					Prepared: 02/17/25 Analyzed: 02/18/25				
Chloride	ND	20.0							
LCS (2508033-BS1)					Prepared: 02/17/25 Analyzed: 02/18/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2508033-MS1)					Source: E502144-03		Prepared: 02/17/25 Analyzed: 02/18/25		
Chloride	790	20.0	250	552	95.1	80-120			
Matrix Spike Dup (2508033-MSD1)					Source: E502144-03		Prepared: 02/17/25 Analyzed: 02/18/25		
Chloride	781	20.0	250	552	91.6	80-120	1.10	20	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/21/2025 9:30:08AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508036-BLK1)					Prepared: 02/18/25 Analyzed: 02/18/25				
Chloride	ND	20.0							
LCS (2508036-BS1)					Prepared: 02/18/25 Analyzed: 02/18/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2508036-MS1)					Source: E502153-03		Prepared: 02/18/25 Analyzed: 02/18/25		
Chloride	40700	2000	250	39200	574	80-120			M4
Matrix Spike Dup (2508036-MSD1)					Source: E502153-03		Prepared: 02/18/25 Analyzed: 02/18/25		
Chloride	38500	2000	250	39200	NR	80-120	5.46	20	M4

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dagger 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.



Chain of Custody

Page 1 of 3

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Dagger State Unit 002				Address: 3122 National Parks Hwy		EE02144	2303002				X	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1017	2-13-25	S	1	FS 53 - 0.5'		1						X					
0906	2-13-25	S	1	FS 54 - 0.5'		2						X					
1016	2-13-25	S	1	FS 55 - 0.5'		3						X					
1015	2-13-25	S	1	FS 56 - 0.5'		4						X					
0907	2-13-25	S	1	FS 57 - 0.5'		5						X					
1013	2-13-25	S	1	FS 58 - 0.5'		6						X					
0905	2-13-25	S	1	FS 59 - 0.5'		7						X					
0904	2-13-25	S	1	FS 60 - 0.5'		8						X					
0905	2-13-25	S	1	FS 61 - 0.5'		9						X					
0901	2-13-25	S	1	FS 63 - 0.5'		10						X					
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Higinio Gonzalez																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>9</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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Chain of Custody

Page 2 of 3

Client Information				Invoice Information		Lab Use Only		TAT				State											
Client: Matador				Company: Ensolum LLC		Lab WO#		Job Number				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>				1D	2D	3D	Std				X
1D	2D	3D	Std																				
			X																				
Project: Dagger State Unit 002				Address: 3122 National Parks Hwy		E1502144		23005-0002				<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																				
X																							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																			
Address: 3122 National Parks Hwy				Phone: 575-988-0055																			
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																			
Phone: 575-988-0055				Miscellaneous:																			
Email: agiovengo@ensolum.com																							
Sample Information						Analysis and Method								EPA Program									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA						
1008	2-13-25	S	1	FS64 - 0.5'		11						X											
0859	2-13-25	S	1	FS65 - 0.5'		12						X											
0857	2-13-25	S	1	FS66 - 0.5'		13						X											
1007	2-13-25	S	1	FS67 - 0.5'		14						X											
1250	2-13-25	S	1	FS30 - 0'		15						X											
1252	2-13-25	S	1	FS31 - 0'		16						X											
1254	2-13-25	S	1	FS32 - 0'		17						X											
1243	2-13-25	S	1	FS33 - 0'		18						X											
1246	2-13-25	S	1	FS42 - 0.5'		19						X											
1246	2-13-25	S	1	FS43 - 0'		20						X											
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Higinio Gonzalez																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							



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Chain of Custody

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Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador				Company: Ensolum LLC		Lab WO# <u>E502144</u>		Job Number <u>23003000</u>		1D	2D	3D	Std	NM	CO	UT	TX
Project: Dagger State Unit 002				Address: 3122 National Parks Hwy										X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1302	2-13-25	S	1	FS45 - 0'		21						X					
1237	2-13-25	S	1	FS 46 - 0'		22						X					
1309	2-13-25	S	1	FS 47 - 0'		23						X					NS 2-18-25
1238	2-13-25	S	1	FS 48 - 0'		24						X					
1306	2-13-25	S	1	FS 49 - 0'		25						X					
1240	2-13-25	S	1	FS 50 - 0'		26						X					
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: <u>Higinio Gonzalez</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
<u>Michelle Gonzales</u>		2-14-25	0800	<u>Michelle Gonzales</u>		2-14-25	0800										
<u>Michelle Gonzales</u>		2-14-25	2200	<u>Caitlynn</u>		2-17-25	800										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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Chain of Custody

Page 1 of 3

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador				Company: Ensolum LLC		Lab WO#		1D 2D 3D Std				NM CO UT TX						
Project: Dagger State Unit 002				Address: 3122 National Parks Hwy		E50244		Job Number				303002						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								X						
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information										Analysis and Method				EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEq 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1017	2-13-25	S	1	FS 53	- 0.5'		1						X					
0906	2-13-25	S	1	FS 54	- 0.5'		2						X					
1016	2-13-25	S	1	FS 55	- 0.5'		3						X					
1015	2-13-25	S	1	FS 56	- 0.5'		4						X					
0907	2-13-25	S	1	FS 57	- 0.5'		5						X					
1013	2-13-25	S	1	FS 58	- 0.5'		6						X					
0905	2-13-25	S	1	FS 59	- 0.5'		7						X					
0904	2-13-25	S	1	FS 60	- 0.5'		8						X					
0905	2-13-25	S	1	FS 61	- 0.5'		9						X					
0901	2-13-25	S	1	FS 63	- 0.5'		10						X					
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Higinio Gonzalez																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



Chain of Custody

Page 2 of 3

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador				Company: Ensolum LLC		Lab WO# E50244		Job Number 23008-0002		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Dagger State Unit 002				Address: 3122 National Parks Hwy									X	X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information										Analysis and Method				EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
																		Remarks
1008	2-13-25	S	1	FS64 - 0.5'		11						X						
0859	2-13-25	S	1	FS65 - 0.5'		12						X						
0857	2-13-25	S	1	FS66 - 0.5'		13						X						
1007	2-13-25	S	1	FS67 - 0.5'		14						X						
1250	2-13-25	S	1	FS30 - 0'		15						X						
1252	2-13-25	S	1	FS31 - 0'		16						X						
1254	2-13-25	S	1	FS32 - 0'		17						X						
1243	2-13-25	S	1	FS33 - 0'		18						X						
1246	2-13-25	S	1	FS42 - 0.5'		19						X						
1246	2-13-25	S	1	FS43 - 0'		20						X						
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Higinio Gonzalez																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador				Company: Ensolum LLC		Lab WO#		1D 2D 3D Std				NM CO UT TX						
Project: Dagger State Unit 002				Address: 3122 National Parks Hwy		E502144		Job Number				23003000						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								X						
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information							Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
															Remarks			
1302	2-13-25	S	1	FS45 - 0'		21						X						
1237	2-13-25	S	1	FS 46 - 0'		22						X						
1304	2-13-25	S	1	FS 47 - 0'		23						X						
1238	2-13-25	S	1	FS 48 - 0'		24						X						
1306	2-13-25	S	1	FS 49 - 0'		25						X						
1240	2-13-25	S	1	FS 50 - 0'		26						X						
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Higinio Gonzalez																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



Envirotech Analytical Laboratory

Printed: 2/18/2025 8:53:40AM

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:	agiovento@ensolum.com	Due Date:	02/21/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/24/25



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

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

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

Respectfully,

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
02/24/25 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.



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS01-0'

E502159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		80.6 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		113 %	61-141	02/18/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508051	
Chloride	96.7	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS02-0'

E502159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.4 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		02/18/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508051
Chloride	305	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS03-0'

E502159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	80.4 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		02/18/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508051
Chloride	185	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS04-0'

E502159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	80.6 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.9 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	115 %	61-141		02/18/25	02/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508051	
Chloride	290	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS05-0'

E502159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.8 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	99.5 %	61-141		02/18/25	02/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508051
Chloride	619	20.0	1	02/18/25	02/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:57:44AM
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FS06-0'

E502159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	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	
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	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	94.7 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	Analyst: DT		Batch: 2508051	
Chloride	212	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS07-0'

E502159-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	82.3 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.2 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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	
<i>Surrogate: n-Nonane</i>	109 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508051	
Chloride	205	20.0	1	02/18/25	02/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:57:44AM
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FS08-0'

E502159-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.3 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		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	
<i>Surrogate: n-Nonane</i>						
	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	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:57:44AM
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FS09-0'

E502159-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	81.5 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.5 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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	
<i>Surrogate: n-Nonane</i>	114 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508051	
Chloride	390	20.0	1	02/18/25	02/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:57:44AM
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FS10-0'

E502159-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	80.2 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.3 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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	
<i>Surrogate: n-Nonane</i>	102 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508051	
Chloride	710	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS11-0'

E502159-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.9 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		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	
<i>Surrogate: n-Nonane</i>						
	116 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508051
Chloride	315	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS13-0'

E502159-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		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	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508051
Chloride	548	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS14-0'

E502159-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.9 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		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	
<i>Surrogate: n-Nonane</i>						
	115 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508051
Chloride	338	20.0	1	02/18/25	02/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:57:44AM
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FS17-0'

E502159-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	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	
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	85.0 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	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	91.6 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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	115 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508051	
Chloride	267	20.0	1	02/18/25	02/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:57:44AM
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FS18-0'

E502159-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.4 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2508045	
Diesel Range Organics (C10-C28)	198	25.0	1	02/18/25	02/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/18/25	02/19/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508051	
Chloride	1090	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS25-0'

E502159-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.7 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		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	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508051
Chloride	666	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS26-0'

E502159-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		81.0 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2508039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		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	
<i>Surrogate: n-Nonane</i>						
		117 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2508051
Chloride	971	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS27-0'

E502159-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.3 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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	
<i>Surrogate: n-Nonane</i>		110 %	61-141	02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508051	
Chloride	674	20.0	1	02/18/25	02/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:57:44AM
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FS28-0'

E502159-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.8 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2508039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/18/25	02/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	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	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2508051	
Chloride	855	20.0	1	02/18/25	02/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:57:44AM
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FS29-0'

E502159-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	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	
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	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	94.2 %	70-130		02/18/25	02/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	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	109 %	61-141		02/18/25	02/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508051	
Chloride	1900	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS34-0'

E502159-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		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	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS36-0'

E502159-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		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		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		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		Analyst: AK		Batch: 2508048
Chloride	345	20.0	1	02/18/25	02/19/25	



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:57:44AM

FS62-0.5'

E502159-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		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		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		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	02/19/25	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		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	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508040-BLK1)

Prepared: 02/18/25 Analyzed: 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: 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-BS1)

Prepared: 02/18/25 Analyzed: 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: 02/18/25 Analyzed: 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: 02/18/25 Analyzed: 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			
Surrogate: Toluene-d8	0.498		0.500		99.5	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	2/24/2025 8:57:44AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2508039-BLK1) Prepared: 02/18/25 Analyzed: 02/20/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.56		8.00		82.0	70-130			

LCS (2508039-BS1) Prepared: 02/18/25 Analyzed: 02/20/25

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.79	0.0250	5.00		95.9	70-130			
Toluene	4.93	0.0250	5.00		98.6	70-130			
o-Xylene	4.78	0.0250	5.00		95.7	70-130			
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130			
Total Xylenes	14.5	0.0250	15.0		96.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.65		8.00		83.1	70-130			

Matrix Spike (2508039-MS1) Source: E502159-07 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			

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	



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

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: 02/18/25 Analyzed: 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: 02/18/25 Analyzed: 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: 02/18/25 Analyzed: 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: 02/18/25 Analyzed: 02/20/25

Gasoline Range Organics (C6-C10)	36.6	20.0	50.0	ND	73.1	70-130	1.09	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	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	2/24/2025 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
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Blank (2508040-BLK1)

Prepared: 02/18/25 Analyzed: 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: 02/18/25 Analyzed: 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			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

Matrix Spike (2508040-MS2)

Source: E502158-02

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			

Matrix Spike Dup (2508040-MSD2)

Source: E502158-02

Prepared: 02/18/25 Analyzed: 02/19/25

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 002	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:57:44AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508045-BLK1)					Prepared: 02/18/25 Analyzed: 02/18/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	61-141			

LCS (2508045-BS1)					Prepared: 02/18/25 Analyzed: 02/18/25				
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	54.9		50.0		110	61-141			

Matrix Spike (2508045-MS1)					Source: E502159-14		Prepared: 02/18/25 Analyzed: 02/18/25		
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	55.0		50.0		110	61-141			

Matrix Spike Dup (2508045-MSD1)					Source: E502159-14		Prepared: 02/18/25 Analyzed: 02/18/25		
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	56-156	4.50	20	
Surrogate: n-Nonane	54.6		50.0		109	61-141			



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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508054-BLK1) Prepared: 02/19/25 Analyzed: 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: 02/19/25 Analyzed: 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: 02/19/25 Analyzed: 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: 02/19/25 Analyzed: 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			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:57:44AM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508048-BLK1)					Prepared: 02/18/25 Analyzed: 02/18/25				
Chloride	ND	20.0							
LCS (2508048-BS1)					Prepared: 02/18/25 Analyzed: 02/18/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2508048-MS1)					Source: E502155-02		Prepared: 02/18/25 Analyzed: 02/18/25		
Chloride	266	20.0	250	ND	106	80-120			
Matrix Spike Dup (2508048-MSD1)					Source: E502155-02		Prepared: 02/18/25 Analyzed: 02/18/25		
Chloride	261	20.0	250	ND	104	80-120	1.87	20	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:57:44AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508051-BLK1)					Prepared: 02/18/25 Analyzed: 02/19/25				
Chloride	ND	20.0							
LCS (2508051-BS1)					Prepared: 02/18/25 Analyzed: 02/19/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2508051-MS1)					Source: E502159-04		Prepared: 02/18/25 Analyzed: 02/19/25		
Chloride	568	20.0	250	290	111	80-120			
Matrix Spike Dup (2508051-MSD1)					Source: E502159-04		Prepared: 02/18/25 Analyzed: 02/19/25		
Chloride	570	20.0	250	290	112	80-120	0.297	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 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.



Chain of Custody

Page 1 of 3

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

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Client Information				Invoice Information		Lab Use Only		TAT				State									
Client: Matador				Company: Ensolum LLC		Lab WO# E50259		Job Number 2303-0002		1D 2D 3D Std X				NM CO UT TX X							
Project: Dagger State Unit 002				Address: 3122 National Parks Hwy																	
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy				Phone: 575-988-0055																	
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																	
Phone: 575-988-0055				Miscellaneous:																	
Email: agiovengo@ensolum.com																					
Sample Information										Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA				
0908	2/14/2025	S	1	FS 01 - 0'		1						X									
0909	2/14/2025	S	1	FS02 - 0'		2						X									
0911	2/14/2025	S	1	FS03 - 0'		3						X									
0858	2/14/2025	S	1	FS04 - 0'		4						X									
0900	2/14/2025	S	1	FS05 - 0'		5						X									
0901	2/14/2025	S	1	FS06 - 0'		6						X									
0850	2/14/2025	S	1	FS07 - 0'		7						X									
0852	2/14/2025	S	1	FS08 - 0'		8						X									
0812	2/14/2025	S	1	FS09 - 0'		9						X									
0845	2/14/2025	S	1	FS10 - 0'		10						X									
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, lestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: Higinio Gonzalez																					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) N T1 T2 T3 AVG Temp °C 4													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



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Chain of Custody

Client Information						Invoice Information							Lab Use Only								TAT				State			
Client: Matador Project: Dagger State Unit 002 Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com						Company: Ensolum LLC Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous:							Lab WO# E502159		Job Number 23103-002		1D		2D		3D		Std		NM	CO	UT	TX
																					X		X					
Sample Information						Analysis and Method												EPA Program										
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 100S-TX	RCRA 8 Metals							SDWA	CWA	RCRA						
Time Sampled	Date Sampled	Matrikx	No. of Containers	Sample ID	Field Filter	Lab Number													Compliance	Y	or	N						
PWSID # _____	Remarks																											
0834	2/14/2025	S	1	FS 11 - 0'		11									X													
0840	2/14/2025	S	1	FS 13 - 0'		12									X													
0835	2/14/2025	S	1	FS 14 - 0'		13									X													
0918	2/14/2025	S	1	FS 17 - 0'		14									X													
0919	2/14/2025	S	1	FS 18 - 0'		15									X													
0927	2/14/2025	S	1	FS 25 - 0'		16									X													
0934	2/14/2025	S	1	FS 26 - 0'		17									X													
0936	2/14/2025	S	1	FS 27 - 0'		18									X													
0938	2/14/2025	S	1	FS 28 - 0'		19									X													
0932	2/14/2025	S	1	FS 29 - 0'		20									X													
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																												
Sampled by: Higinio Gonzalez																												
Relinquished by: (Signature) <i>[Signature]</i>		Date 2-17-25	Time 0800	Received by: (Signature) <i>Michelle Gonzales</i>		Date 2-17-25	Time 0800	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: Y / N T1 T2 T3 AVG Temp °C 4																				
Relinquished by: (Signature) <i>Michelle Gonzales</i>		Date 2-17-25	Time 1630	Received by: (Signature) <i>Juan M.</i>		Date 2-17-25	Time 1630																					
Relinquished by: (Signature) <i>Juan M.</i>		Date 2-17-25	Time 2245	Received by: (Signature) <i>Cristina Man</i>		Date 2-18-25	Time 800																					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																												

Chain of Custody

[illegible]

envirotech

Envirotech Analytical Laboratory

Printed: 2/18/2025 8:54:56AM

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:	agiovento@ensolum.com	Due Date:	02/24/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/24/25



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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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	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.



Sample Data

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

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
2/24/2025 8:23:11AM

FS47-0'

E502163-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.4 %	70-130	02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2508052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/25	02/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	02/19/25	02/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		106 %	61-141	02/19/25	02/20/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2508062	
Chloride	1710	20.0	1	02/19/25	02/19/25	



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

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508052-BLK1)

Prepared: 02/19/25 Analyzed: 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: 02/19/25 Analyzed: 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: 02/19/25 Analyzed: 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	
Surrogate: 4-Bromochlorobenzene-PID	6.50		8.00		81.3	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	2/24/2025 8:23:11AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508052-BLK1) Prepared: 02/19/25 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: 02/19/25 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: 02/19/25 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	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/24/2025 8:23:11AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508073-BLK1)					Prepared: 02/19/25 Analyzed: 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: 02/19/25 Analyzed: 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: E502164-03		Prepared: 02/19/25 Analyzed: 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: E502164-03		Prepared: 02/19/25 Analyzed: 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			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State Unit 002 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/24/2025 8:23:11AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2508062-BLK1)					Prepared: 02/19/25 Analyzed: 02/19/25				
Chloride	ND	20.0							
LCS (2508062-BS1)					Prepared: 02/19/25 Analyzed: 02/19/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2508062-MS1)					Source: E502162-03		Prepared: 02/19/25 Analyzed: 02/19/25		
Chloride	616	20.0	250	387	91.8	80-120			
Matrix Spike Dup (2508062-MSD1)					Source: E502162-03		Prepared: 02/19/25 Analyzed: 02/19/25		
Chloride	638	20.0	250	387	101	80-120	3.49	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 Unit 002	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
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.



Page 1 of 1

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	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:	agiovento@ensolum.com	Due Date:	02/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

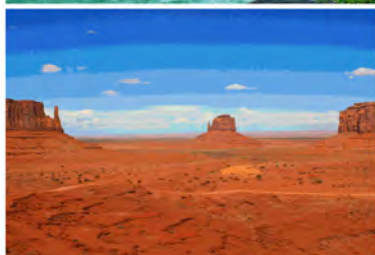
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 3/4/25

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

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

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

Respectfully,

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

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Sample Summary

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	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.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Dagger State Unit 002
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/4/2025 11:44:29AM

FS65-0.5'

E503003-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		79.1 %	70-130	03/04/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2510033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %	70-130	03/04/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		104 %	61-141	03/04/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2510037	
Chloride	1820	20.0	1	03/04/25	03/04/25	



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

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2510033-BLK1)

Prepared: 03/03/25 Analyzed: 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)

Prepared: 03/03/25 Analyzed: 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			
o-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)

Prepared: 03/03/25 Analyzed: 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	
Surrogate: 4-Bromochlorobenzene-PID	6.38		8.00		79.7	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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2510033-BLK1) Prepared: 03/03/25 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: 03/03/25 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: 03/03/25 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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2510034-BLK1) Prepared: 03/04/25 Analyzed: 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: 03/04/25 Analyzed: 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: E503004-09 Prepared: 03/04/25 Analyzed: 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

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	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.



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador				Company: Ensolum LLC		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Dagger State Unit 002				Address: 3122 National Parks Hwy		E503003		Job Number				23003-0002					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX	RCRA 8 Metals	SDWA	CWA	RCRA
0800	2/28/2025	S	1	FS67 - 0.5'		1						X					
																	Remarks
Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Higinio Gonzalez																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

Envirotech Analytical Laboratory

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

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)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMOCD Notifications

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 416116

QUESTIONS

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

QUESTIONS

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	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 416116

QUESTIONS (continued)

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

QUESTIONS

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

Initial Response

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

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

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

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ACKNOWLEDGMENTS

Action 416116

ACKNOWLEDGMENTS

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

ACKNOWLEDGMENTS

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

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State of New Mexico
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Santa Fe, NM 87505

CONDITIONS

Action 416116

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 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 C-141.	12/31/2024

Impacted Soil	
Saturated Soil (inches)	
	0.25
Area (sq. ft.)	
	11795
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
	0
Soil type	
	pad caliche
Spill type	
	oil(crude)
Barrel estimate in soil	
	5.8
Barrel estimate (standing fluids/ recovered+in soil)	
	5.8

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 416417

QUESTIONS

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

QUESTIONS

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.

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QUESTIONS, Page 2

Action 416417

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 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 volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/02/2025
--	--

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QUESTIONS, Page 3

Action 416417

QUESTIONS (continued)

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

QUESTIONS

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

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

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

CONDITIONS

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

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 429491

QUESTIONS

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

QUESTIONS

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

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 429491

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 429491
	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

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QUESTIONS

Action 429493

QUESTIONS

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

QUESTIONS

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	
<i>Please answer all the questions in this group.</i>	
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

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CONDITIONS

Action 429493

CONDITIONS

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

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS

Action 429494

QUESTIONS

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

QUESTIONS

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

Sante Fe Main Office
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 429494

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 429494
	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

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

QUESTIONS

Action 429495

QUESTIONS

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

QUESTIONS

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	02/15/2025
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

Sante Fe Main Office
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 429495

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 429495
	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

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QUESTIONS

Action 435817

QUESTIONS

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

QUESTIONS

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	02/28/2025
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

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CONDITIONS

Action 435817

CONDITIONS

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

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QUESTIONS

Action 440567

QUESTIONS

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

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 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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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. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 03/10/2025
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QUESTIONS, Page 3

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

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	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
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 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

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 03/10/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 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

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

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QUESTIONS, Page 6

Action 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

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

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QUESTIONS, Page 7

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

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

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CONDITIONS

Action 440567

CONDITIONS

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)

CONDITIONS

Created By	Condition	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