



August 29, 2025

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

**Re: Deferral Request
Dagger State TB
Incident Number nAPP2515348746
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request* (DR) to document assessment and soil sampling activities performed at the Dagger State TB (Site) in Unit L, Section 30, Township 21 South, Range 33 East, in Lea County, New Mexico (Figure 1). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following an equipment failure at the Site. Based on field observations following excavation, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *DR*, describing Site assessment and excavation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2515348746 until the Site is reconstructed and/or the booster pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Lea County, New Mexico (32.44983°, -103.61657°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On June 02, 2025, the fire tube on a heater treater developed a crack resulting in the release of crude oil inside the lined secondary containment and onto the pad surface. The crack in the fire tube resulted in the release of approximately 180 barrels (bbls) of crude oil; 164 bbls of crude oil were recovered via vacuum truck. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on June 02, 2025. The release was assigned Incident Number NAPP2515348746. A 48-hour advance notice of a liner inspection was provided via email to the NMOCD office on July 11, 2025. A liner integrity inspection was conducted by Ensolum personnel on July 15, 2025, and the liner was determined to be insufficient to contain the release in question. The Form C-141 can be referenced within the NMOCD Incident Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

According to the New Mexico Office of the State Engineer (NMOSE), the closest permitted groundwater well with depth to groundwater data is CP 1882 POD1, located approximately 3,538 feet northeast of the release area. CP 1882 POD1 had a depth to groundwater greater than 105 feet bgs and a total depth of 106 feet bgs. Three additional monitoring wells (CP 1878, CP 1883, and CP 1888) were included in the regional depth to water determine as it relates to reasonably assessing depth to groundwater beneath the Site. The wells had reported depths to groundwater greater than 105 feet below ground surface (bgs) and total depths of 105 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallow groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

A regional depth to groundwater variance request was submitted to the NMOCD on July 22, 2025, due to the close proximity of four monitoring wells with available depth to groundwater data within 1.20 miles of the Site. The regional depth to groundwater variance request was approved via email on July 23, 2025 (see Appendix E).

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 1.41 miles west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

CULTURAL AND BIOLOGICAL REVIEW

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

The Site is located within the historical range of the Lesser Prairie Chicken (LPC), within an isolated population area, and is located within an NMSLO Candidate Conservation Agreement with Assurances (CCAA) area. The Site is not located within the range of the Dunes Sagebrush Lizard. No suitable habitat for the Dunes Sagebrush Lizard was identified at the Site. A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical wildlife habitats at the Site. Threatened or endangered bird species (LPC or others) are potentially present in the area near the Site but have not been observed during field activities. No native vegetation/habitat outside of the well pad extent was disturbed during excavation activities. The Site area is greater than 1,000 feet to surface water, wetlands, or other sensitive receptors.

SITE ASSESSMENT ACTIVITIES

Between June 18 and June 19, 2025, Site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. Ensolum personnel mapped the release extent and collected 15 lateral delineation soil samples (SS01 through SS15) and six vertical delineation soil samples (BH01 through BH06) from around and within the release extent at depths ranging from ground surface to 8 feet bgs. Soil from the lateral delineation samples (SS01 through SS15,) were field screened for TPH utilizing a calibrated PetroFLAG® soil analyzer system and chloride using Hach® chloride QuanTab® test strips. Soil from the vertical delineation soil samples (BH01 through BH06) were field screened for volatile organic compounds (VOCs) utilizing a calibrated Photoionization Detector (PID) and chloride using Hach® chloride QuanTab® test strips.

On July 15, 2025, Ensolum personnel returned to the Site and completed a liner integrity inspection, and four holes were identified in the lined secondary containment.

Ensolum personnel returned to the Site on July 22 and July 23, 2025, to advance three boreholes (BH07 through BH09) via hand auger at depths ranging from ground surface to 2 feet bgs inside the lined secondary containment and Ensolum personnel collected three additional lateral delineation soil samples (SS16 through SS18) at ground surface and 1-foot bgs around the west, south and east sides of the lined secondary containment. Due to the close proximity of the southern two holes, roughly 3 feet from each other, one borehole (BH09) was used to delineate the two holes at equidistance from each hole. Soil from lateral and vertical delineation samples (SS16 through SS18) and (BH07 through BH09) related to the deficient liner were field screened for TPH and chloride.

Ensolum personnel returned to the Site on July 28 and August 28, 2025, to collect additional lateral delineation soil samples SS01A through SS03A, SS05A, SS07A through SS09A, SS09B, and SS11A at ground surface to further evaluate the lateral extent of the release. Additional lateral delineation soil samples were field screened for TPH and chloride using the same method as previously described. Delineation soil sample locations are depicted on Figure 2. Lithologic Sample Logs are included in Appendix B. Photographs were taken during the liner integrity inspection and during soil sampling activities and a photographic log is included in Appendix C.

All soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): 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.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS08, SS10 through SS18, SS02A, SS03A, SS09A, SS09B, and SS11A, collected around the release extent, were compliant with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results for lateral delineation soil samples SS01A, SS05A, SS07A, SS08A and SS09, collected around the release extent, were compliant with the Site Closure Criteria per NMOCD Table I. Laboratory analytical results from delineation boreholes BH01 through BH06, collected from the on-pad release extent, and delineation borehole BH08 from under the secondary lined containment exceeded the Site Closure Criteria at ground surface. Borehole BH08 was in compliance with the Site Closure Criteria and

the strictest Closure Criteria at 1-foot bgs. Boreholes BH07 and BH09 indicated all COC's were in compliance with the strictest Closure Criteria at ground surface.

Laboratory analytical results from delineation boreholes BH02 and BH06 were in compliance with the Site Closure Criteria at a depth of 1-foot bgs and in compliance with the strictest Closure Criteria at 2 feet bgs. Borehole BH05 was compliant with the Site Closure Criteria at 0.5 feet bgs and in compliance with the strictest Closure Criteria at 5 feet bgs. Delineation borehole BH04 was compliant with the Site Closure Criteria at 4 feet bgs and with the strictest Closure Criteria at 6 feet bgs. Boreholes BH01 and BH03 were in compliance with the Site Closure Criteria and with the strictest Closure Criteria at 0.5 feet bgs. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical report is included as Appendix D.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Based on laboratory analytical results from vertical delineation, impacted soil was confirmed within the release extent, which required remedial action. Beginning on July 28 through August 01, 2025, Ensolum personnel were on Site to complete excavation of the accessible impacted soil within the release area. Impacted and waste-containing soil was excavated via hydro-vac, backhoe, front-end loader, hand tools, and belly dump trucks from the release extent outside of containment as indicated by visible staining and delineation soil sampling results. Excavation activities occurred on the north and west sides of the caliche pad and around associated production equipment. To direct excavation activities, Ensolum personnel screened soil for TPH and chloride.

Impacted soil was removed outside of the lined containment and based on field screening results and observations, impacted soil in accessible areas was completed. Impacted soil beneath the liner as indicated by borehole BH08 was inaccessible due to the presence of equipment and flowlines. Excavation to address impacted soil was completed to the maximum extent practicable (MEP). Tears in the liner have been repaired, limited exposure of potential future releases to the subsurface and potential vertical migration of residual petroleum hydrocarbons through the introduction of precipitation. The repairs also prevent human or wildlife exposure to COCs.

A confirmation sampling variance request was submitted to the NMOCD on July 17, 2025, to increase the frequency of confirmation sampling areas to every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation, where applicable. The confirmation sampling variance request was approved via email on July 18, 2025 (see Appendix D). Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing at least 400 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS50) were collected from the floor of the excavation at depths ranging from 0.5 feet to 3 feet bgs. Seven confirmation sidewall soil samples (SW01 through SW07) were collected from the sidewalls of the excavation extending deeper than 0.5 feet bgs. Excavation areas in which confirmation floor samples were collected at a depth of 0.5 feet bgs incorporated the sidewalls as part of the composite sample. 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 19,887 square feet. A total of approximately 738 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Northern Delaware Basin Landfill.

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LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor samples FS02 through FS05, FS07, FS09, FS11 through FS13, FS15 through FS22, FS24 through FS29, FS31 through FS44, and FS46 through FS50, collected from the floor of the release extent, were compliant with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I at depths ranging from 0.5 feet to 3 feet bgs. Laboratory analytical results for excavation floor samples FS01, FS06, FS08, FS10, FS14, FS23, FS30, and FS45, collected from the floor of the release extent, were compliant with the Site Closure Criteria per NMOCD Table I at depths ranging from 0.5 feet bgs to 1-foot bgs. Laboratory analytical results from confirmation sidewall soil samples SW01 through SW07, collected from ground surface to 3 feet bgs, were all in compliance with the Site Closure Criteria and with the strictest Closure Criteria. Laboratory analytical results are summarized in Tables 2 and 3 and the complete laboratory analytical report is included as Appendix D.

DEFERRAL REQUEST

Matador is requesting deferral of final remediation due to the presence of active production equipment, process piping, the supports beneath them, preventing full excavation of impacted soil. The estimated area of remaining impacted soil measures approximately 895 square feet, and assuming a depth of up to 1-foot bgs under the lined containment based on the analytical results from surrounding confirmation samples and delineation borehole BH08, a total of approximately 33 cubic yards of impacted soil remains in place. The deferral area and delineation soil samples are depicted on Figure 4.

Impacted soil is limited to the area beneath active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS18, SS01A through SS03A, SS05A, SS07A through SS09A, and SS11A at ground surface and 1-foot bgs, sidewall soil samples SW01 through SW07 from ground surface to 3 feet bgs and vertically delineated by borehole samples BH01 through BH09 at depths ranging from 0.5 feet bgs to 8 feet bgs.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Regional depth to groundwater is estimated to be greater than 100 feet bgs, and all accessible impacted soil was removed to the MEP during excavation activities. Impacted soil is limited beneath the repaired liner, which is protective of human health, the environment, and groundwater. Based on the presence of active production equipment within the release area (lined containment only) and the complete lateral and vertical delineation of impacted soil remaining in place, Matador requests deferral of final remediation for Incident Number nAPP2515348746 until final reclamation of the well pad or major construction, whichever comes first.

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

Matador Production Company
Dagger State TB
Deferral Request



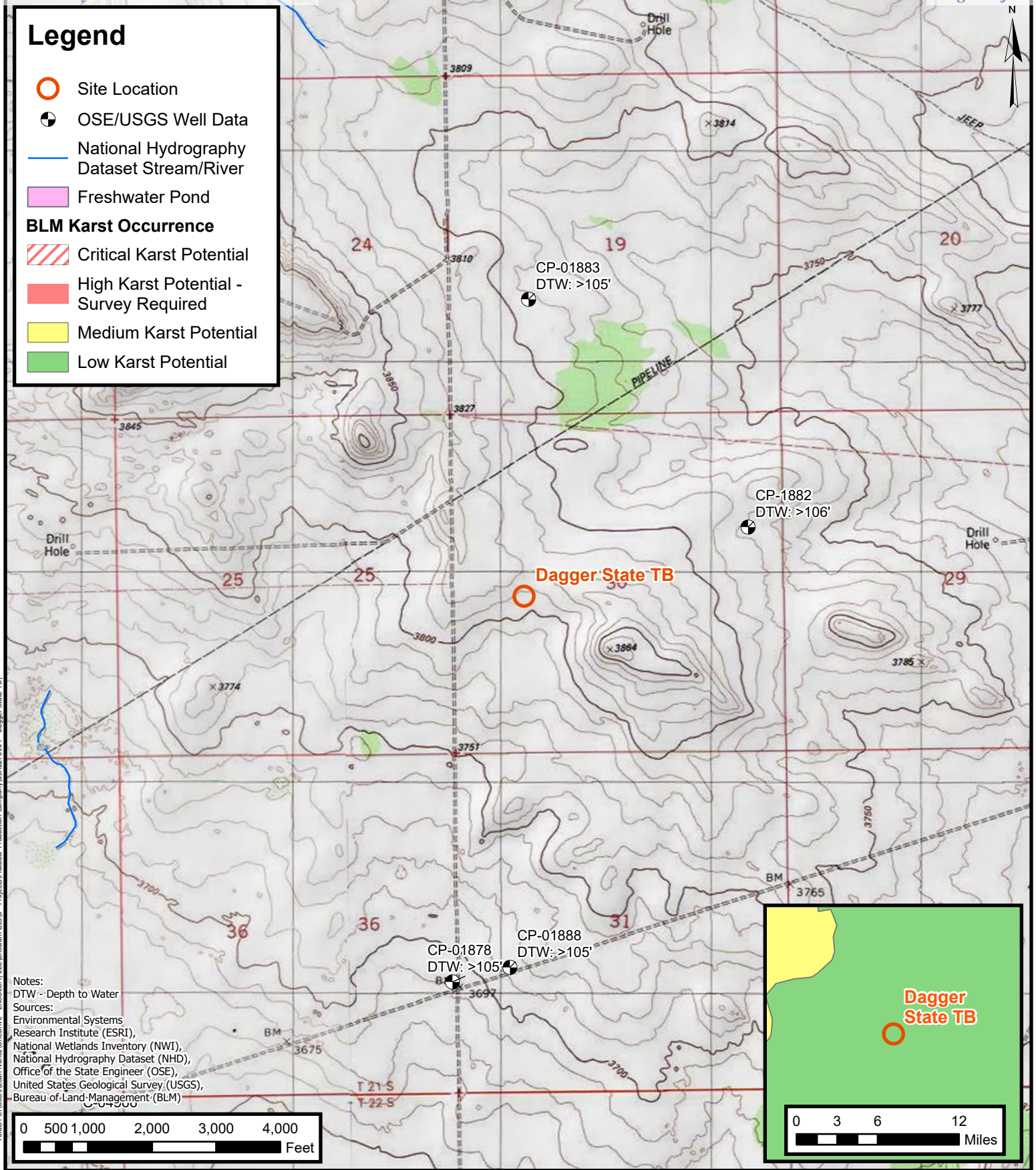
cc: Jason Touchet, Matador
NMSLO

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Area of Requested Deferral
Table 1	Delineation Soil Sample Analytical Results
Table 2	Excavation Soil Sample Analytical Results
Table 3	Sidewall Soil Sample Analytical Results
Appendix A	Well Record and Log
Appendix B	Lithologic Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Correspondence



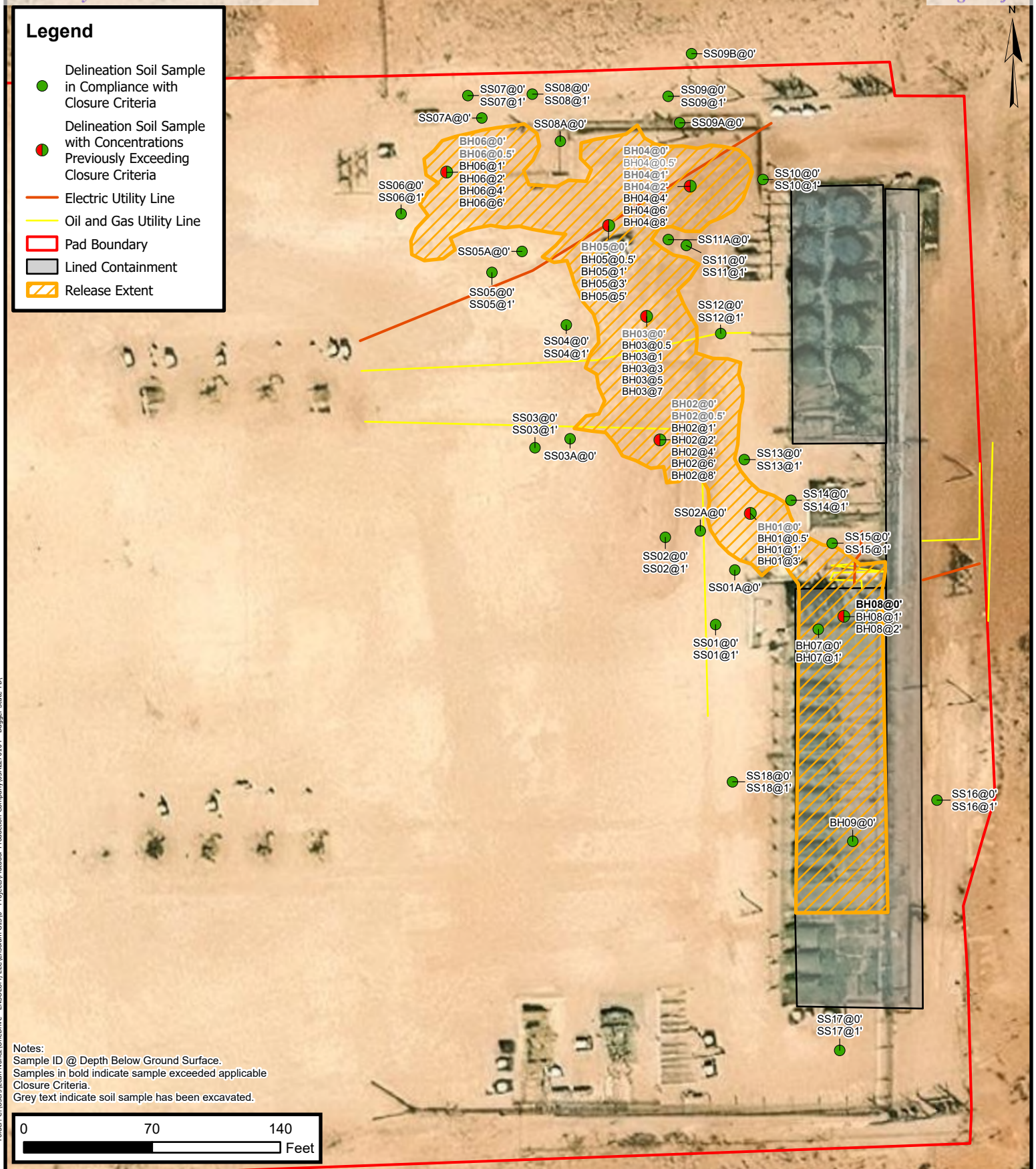
FIGURES



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

Site Receptor Map
Matador Production Company
Dagger State TB
Incident Number: nAPP2515348746
Unit L, Section 30, T 21S, R 33E
Lea County, New Mexico

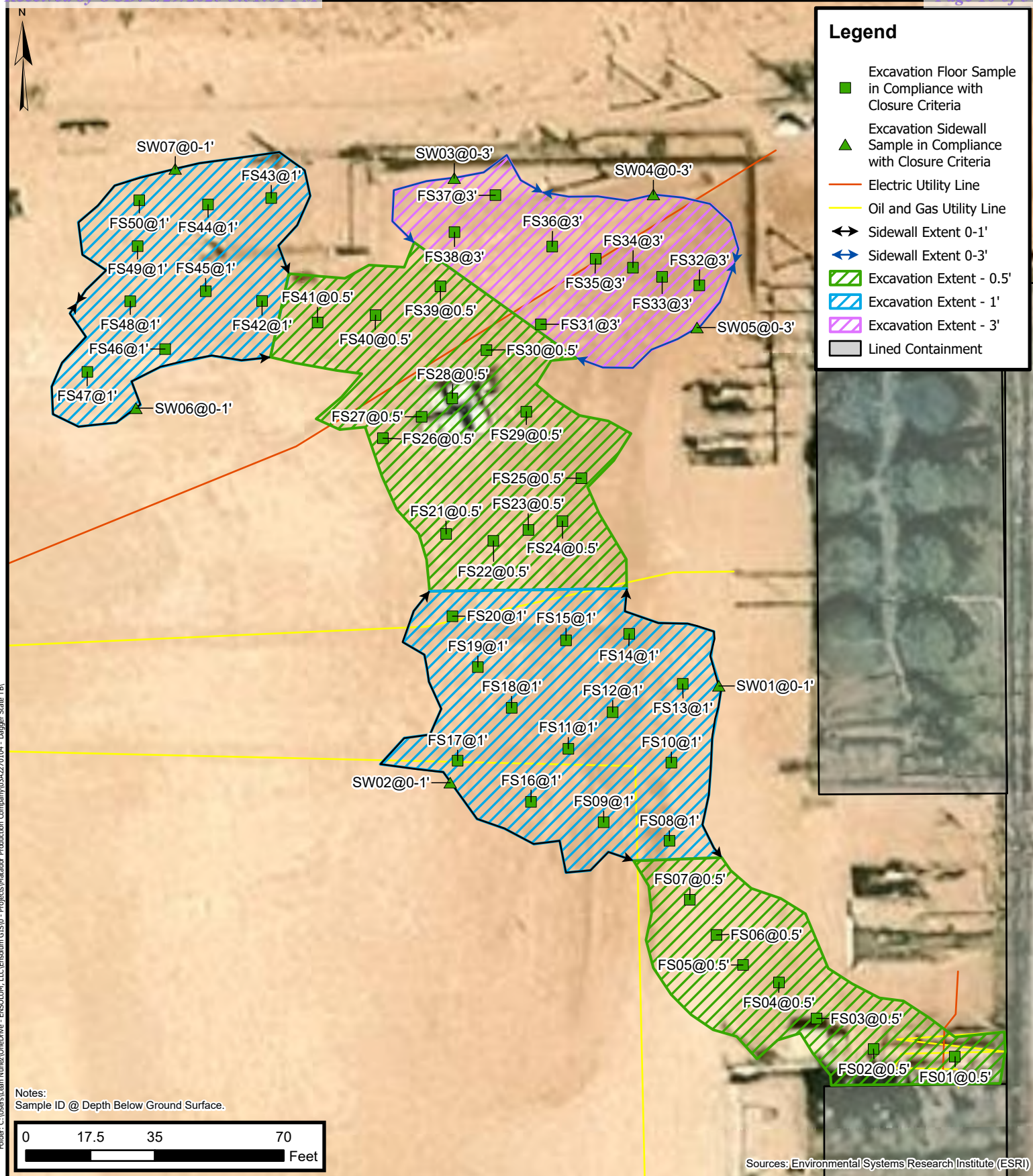
FIGURE
1



Delineation Soil Sample Locations

Matador Production Company
Dagger State TB
Incident Number: nAPP2515348746
Unit L, Section 30, T 21S, R 33E
Lea County, New Mexico

FIGURE
2



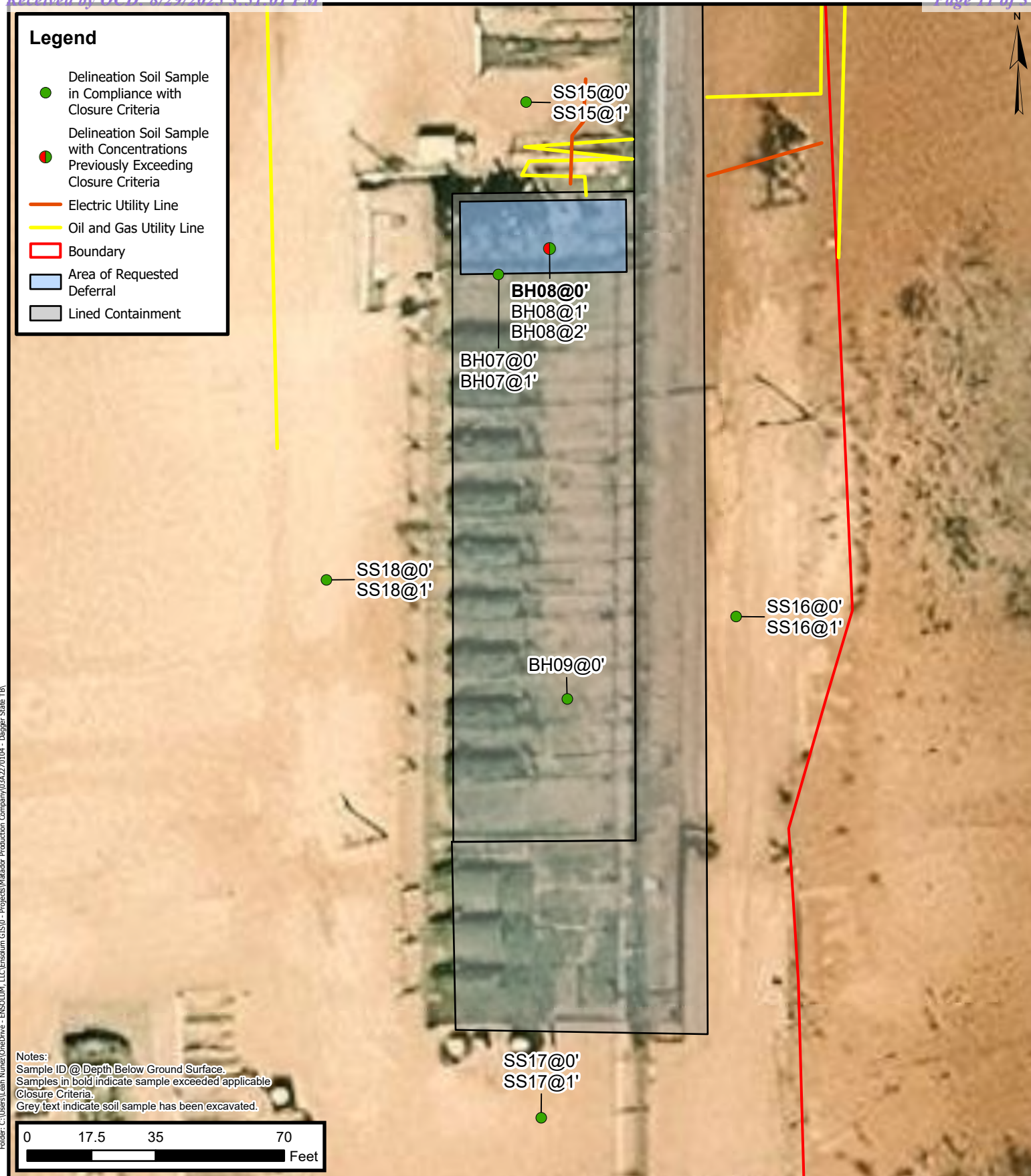
Excavation Soil Sample Locations

Matador Production Company
Dagger State TB
Incident Number: nAPP2515348746
Unit L, Section 30, T 21S, R 33E
Lea County, New Mexico

FIGURE

3





Area of Requested Deferral

Matador Production Company
 Dagger State TB
 Incident Number: nAPP2515348746
 Unit L, Section 30, T 21S, R 33E
 Lea County, New Mexico

FIGURE

4



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger State TB
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	6/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
SS01	6/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS01A	7/28/2025	0	<0.0250	<0.0500	<20.0	42.4	73.6	42.4	116	325
SS02	6/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.2
SS02	6/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.4
SS02A	7/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	527
SS03	6/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	6/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03A	7/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	130
SS04	6/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.8
SS04	6/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	6/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	6/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05A	7/28/2025	0	<0.0250	<0.0500	<20.0	101	63.7	101	165	<20.0
SS06	6/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	6/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.4
SS07	6/18/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.9
SS07	6/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	490
SS07A	7/28/2025	0	<0.0250	<0.0500	<20.0	51.3	51.6	51.3	103	<20.0
SS08	6/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.8
SS08	6/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	126
SS08A	7/28/2025	0	<0.0250	<0.0500	<20.0	148	159.0	148	307	<20.0
SS09	6/19/2025	0	<0.0250	<0.0500	<20.0	296	477	296	773	32.6
SS09	6/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	257
SS09A	7/28/2025	0	<0.0250	<0.0500	<20.0	27.0	<50.0	27.0	27.0	<20.0
SS09B	8/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	188
SS10	6/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS10	6/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	6/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	6/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11A	7/28/2025	0	<0.0250	<0.0500	<20.0	37.1	<50.0	37.1	37.1	<20.0
SS12	6/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	59.1
SS12	6/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	85.7



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger State TB
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS13	6/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	273
SS13	6/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.8
SS14	6/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS14	6/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	274
SS15	6/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.0
SS15	6/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	120
SS16	7/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS16	7/23/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS17	7/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	283
SS17	7/23/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.3
SS18	7/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.6
SS18	7/23/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	6/19/2025	0	0.289	34.01	307	30,400	10,600	30,707	41,307	601
BH01	6/19/2025	0.5	<0.0250	0.186	<20.0	32.8	<50.0	32.8	<50.0	36.1
BH01	6/19/2025	1	<0.0250	0.287	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	6/19/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	6/19/2025	0	0.344	37.95	274	16,800	5,390	17,074	22,464	143
BH02	6/19/2025	0.5	0.234	43.68	468	11,500	3,270.0	11,968	15,238	275
BH02	6/19/2025	1	<0.0250	<0.0500	<20.0	91.8	66.3	91.8	158.1	<20.0
BH02	6/19/2025	2	<0.0250	0.288	<20.0	<25.0	<50.0	<25.0	<50.0	33.1
BH02	6/19/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.2
BH02	6/19/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	6/19/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH03	6/19/2025	0	<0.0250	4.75	53.8	3,310	1,030	3,364	4,394	<20.0
BH03	6/19/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.8
BH03	6/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.1
BH03	6/19/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82.1
BH03	6/19/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.1
BH03	6/19/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	66.1
BH04	6/19/2025	0	2.12	71.8	352	13,500	3,990.0	13,852	17,842	28.5
BH04	6/19/2025	0.5	<0.0250	0.149	<20.0	402	184	402	586	<20.0
BH04	6/19/2025	1	<0.0250	11.7	133	3,800	1,250	3,933	5,183	<20.0
BH04	6/19/2025	2	<0.0250	58.1	566	10,500	3,710	11,066	14,776	<20.0
BH04	6/19/2025	4	<0.0250	<0.0500	<20.0	49.7	58.9	49.7	109	<20.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger State TB
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH04	6/19/2025	6	<0.0250	<0.0500	<20.0	<25.0	82.4	<25.0	82.4	<20.0
BH04	6/19/2025	8	<0.0250	<0.0500	<20.0	<25.0	56.3	<25.0	56.3	<20.0
BH05	6/19/2025	0	0.0651	12.1	163	4,340	1,260	4,503	5,763	<20.0
BH05	6/19/2025	0.5	<0.0250	<0.0500	<20.0	56.9	53.2	56.9	110	<20.0
BH05	6/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	53.9	<25.0	53.9	<20.0
BH05	6/19/2025	3	<0.0250	<0.0500	<20.0	52.1	67.2	52.1	119	65.5
BH05	6/19/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	197
BH06	6/19/2025	0	0.0760	16.5	130	3,700	1,280	3,830	5,110	<20.0
BH06	6/19/2025	0.5	<0.0250	3.98	53.4	1,920	725	1,973	2,698	<20.0
BH06	6/19/2025	1	<0.0250	<0.0500	<20.0	90.6	99.8	90.6	190	<20.0
BH06	6/19/2025	2	<0.0250	<0.0500	<20.0	<25.0	52.9	<25.0	52.9	<20.0
BH06	6/19/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.4
BH06	6/19/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	246
BH07	7/22/2025	0	<0.0250	<0.0500	<20.0	119	151	119	270	117
BH07	7/22/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.8
BH08	7/23/2025	0	<0.0250	<0.0500	<20.0	3,510	2,180	3,510	5,690	324
BH08	7/23/2025	1	<0.0250	0.0509	<20.0	<25.0	<50.0	<25.0	<50.0	185
BH08	7/23/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH09	7/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger State TB
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS01	8/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	616
FS02	8/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	92.3
FS03	8/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	284
FS04	8/1/2025	0.5	<0.0250	<0.0500	<20.0	80.7	<50.0	80.7	80.7	243
FS05	8/1/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.7
FS06	8/1/2025	0.5	<0.0250	<0.0500	<20.0	328	119	328	447	49.5
FS07	8/1/2025	0.5	<0.0250	<0.0500	<20.0	38.0	<50.0	38.0	38.0	398
FS08	7/28/2025	1	<0.0250	<0.0500	<20.0	315	130	315	445	120
FS09	7/29/2025	1	<0.0250	<0.0500	<20.0	75.8	<50.0	75.8	75.8	363
FS10	7/29/2025	1	<0.0250	<0.0500	<20.0	483	269	483	752	120
FS11	7/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	165
FS12	7/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	358
FS13	7/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	152
FS14	7/30/2025	1	<0.0250	<0.0500	<20.0	64.2	53.3	64.2	118	157
FS15	7/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	177
FS16	7/28/2025	1	<0.0250	<0.0500	<20.0	35.0	<50.0	35.0	<50.0	56.2
FS17	7/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	109
FS18	7/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	233
FS19	7/29/2025	1	<0.0250	<0.0500	<20.0	41.4	<50.0	41.4	<50.0	212
FS20	7/29/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	443
FS21	7/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	147
FS22	7/31/2025	0.5	<0.0250	<0.0500	<20.0	57.7	<50.0	57.7	57.7	72.0
FS23	7/31/2025	0.5	<0.0250	<0.0500	<20.0	172	66.6	172	239	113
FS24	7/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS25	7/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.9
FS26	7/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.7
FS27	7/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS28	7/31/2025	0.5	<0.0250	<0.0500	<20.0	36.4	<50.0	36.4	36.4	66.5
FS29	7/31/2025	0.5	<0.0250	<0.0500	<20.0	59.7	<50.0	59.7	59.7	29.1
FS30	7/31/2025	0.5	<0.0250	<0.0500	<20.0	575	<50.0	575	575	233
FS31	7/31/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.5
FS32	7/30/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	80.0



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger State TB
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS33	7/30/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	68.6
FS34	7/30/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	70.6
FS35	7/31/2025	3	<0.0250	<0.0500	<20.0	31.0	<50.0	31.0	31.0	32.9
FS36	7/31/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS37	7/31/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS38	7/31/2025	3	<0.0250	<0.0500	<20.0	71.0	<50.0	71.0	71.0	143
FS39	7/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	270
FS40	7/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS41	7/31/2025	0.5	<0.0250	<0.0500	<20.0	32.7	<50.0	32.7	32.7	77.5
FS42	8/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	465
FS43	8/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS44	8/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS45	8/1/2025	1	<0.0250	<0.0500	<20.0	287	111	287	398	345
FS46	8/1/2025	1	<0.0250	<0.0500	<20.0	26.6	<50.0	26.6	<50.0	245
FS47	8/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	261
FS48	8/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	147
FS49	8/1/2025	1	<0.0250	<0.0500	<20.0	28.0	<50.0	28.0	<50.0	<20.0
FS50	8/1/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

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Grey text represents samples that have been excavated

<=: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
 Dagger State TB
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Sidewall Soil Samples										
SW01	7/30/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	118
SW02	7/30/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW03	7/31/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	105
SW04	7/30/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	224
SW05	7/30/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.4
SW06	8/1/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81.6
SW07	8/1/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

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mg/kg: milligrams per kilogram

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Grey text represents samples that have been excavated

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1882			
	WELL OWNER NAME(S) Advanced Energy Partners				PHONE (OPTIONAL) 832.672.4700			
	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Suit 950				CITY Houston	STATE TX	ZIP 77077	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 27	SECONDS 7.70	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
LONGITUDE 103 36 17.7 W DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SE NE Sec. 30 T21S 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 10/06/2021	DRILLING ENDED 10/07/2021	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 106	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	106	±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						


FOR OSE INTERNAL USE

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

FILE NO.	CP-1882	POD NO.	1	TRN NO.	699678
LOCATION	21S. 33E. 30.242			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	9	9	Sand, Fine-grained, poorly graded, Red	Y ✓ N	
	9	19	10	Caliche, with fine-grained sand, White/Tan	Y ✓ N	
	19	69	50	Sand, Fine-grained, poorly graded, Tan/ Brown	Y ✓ N	
	69	79	10	Sand, Fine-grained, poorly graded with clay, Reddish Brown	Y ✓ N	
	79	106	27	Clay, Stiff, consolidated, with fine-grained sand, Reddish 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	
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.	
	<p>USE DIT NOV 2 2021 AM 8:17</p> <p>PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt</p>	

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	10/28/2021 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



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-1878			
	WELL OWNER NAME(S) Advanced Energy Partners				PHONE (OPTIONAL) 832.672.4700			
	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Stuit 950				CITY Houston	STATE TX	ZIP 77077	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 25	SECONDS 58.08	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	37	12.58	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE SE 1 Sec. 36 T21S R32E								
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 09/21/2021		DRILLING ENDED 09/21/2021		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						

FOR OSE INTERNAL USE

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

FILE NO.	CP-1878	POD NO.	1	TRN NO.	699509
LOCATION	Mon	21S. 32E. 36. 424	WELL TAG ID NO.		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

5. TEST; RIG SUPERVISION

5. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO.	CP-1878	POD NO.	1
LOCATION		TRN NO.	699504
		WELL TAG ID NO	PAGE 2 OF 2



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-1883			
	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 27		SECONDS 4.30		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
	LATITUDE 103		36		57.12			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE NW Sec. 19 T21S 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 09/29/2021		DRILLING ENDED 09/29/2021		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		STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	
			<input type="checkbox"/> SHALLOW (UNCONFINED)					
	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						

FOR OSE INTERNAL USE

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

FILE NO.	CP-1883	POD NO.	1	TRN NO.	099691
LOCATION	Man	25.33E. 19.323	WELL TAG ID NO.		PAGE 1 OF 2

	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				
4. HYDROGEOLOGIC LOG OF WELL	0	14	14	Caliche, with fine-grained sand, white/tan	Y ✓ N	
	14	24	10	Sand, Fine-grained, poorly graded, Reddish Brown	Y ✓ N	
	24	44	20	Sand, Fine-grained, poorly graded, Brown	Y ✓ N	
	44	79	35	Sand, Fine-grained, poorly graded, with clay, Brown	Y ✓ N	
	79	105	26	Clay, Stiff, Brownish Red, (Red Bed)	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. Logs adapted from WSP on-site geologist.	
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:	
	<i>Jackie D. Atkins</i> Jackie D. Atkins	10/22/2021
SIGNATURE OF DRILLER / PRINT SIGNEE NAME		DATE

FOR OSE INTERNAL USE

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

FILE NO. CP-1883	POD NO. 1	TRN NO. 699691
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

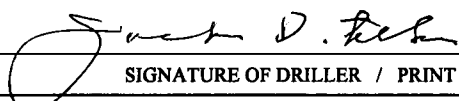
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1888			
	WELL OWNER NAME(S) Advanced Energy Partners				PHONE (OPTIONAL) 832.672.4700			
	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Suite 950				CITY STATE ZIP Houston TX 77077			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 26	SECONDS 0.21 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NW SW (Unit Letter L) Sec 31; T21S.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 09/21/2021		DRILLING ENDED 09/21/2021		DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) 105	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					DEPTH WATER FIRST ENCOUNTERED (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						

FOR OSE INTERNAL USE

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

FILE NO.	CP-1888	POD NO.	1	TRN NO.	703694
LOCATION	21S.33E.31.314			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	4	4	Sand, Fine-grained, poorly graded, Red Brown	Y ✓ N	
	4	9	5	Sand, Fine-grained, poorly graded, with caliche, Red Brown	Y ✓ N	
	9	24	15	Sand, Fine-grained, poorly graded, with clay, Red Brown	Y ✓ N	
	24	54	30	Sand, Fine-grained, poorly graded, with caliche, Brown Red	Y ✓ N	
	54	105	51	Sand, Fine-grained, poorly graded, some 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	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
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. Logs adapted from WSP on-site geologist.					
	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: <div style="text-align: right;"> USE 011 NOV 4 2021 11:57 </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>  SIGNATURE OF DRILLER / PRINT SIGNEE NAME </div> <div> Jackie D. Atkins DATE </div> </div>					

FOR OSE INTERNAL USE


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


FILE NO. CP-18888	POD NO. 1	TRN NO. 703694
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2





APPENDIX B


Lithologic Soil Sampling Logs


								Sample Name: BH01		Date: 06/19/25	
								Site Name: Dagger State TB			
								Incident Number: nAPP2515348746			
								Job Number: 03A2270104			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JM		Method: Hand Auger	
Coordinates: 32.449666, -103.616495								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. A 20% correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	666		Y	BH01	0	0	CCHE	Pad Caliche			
M	<168		N	BH01	0.5						
M	<168		N	BH01	1	1					
M	<168		N	BH01	2	2		0.5 - 3' - Silty Sand - Medium Brown to Red, Medium to Very Fine, Moist, Non-plastic, Noncohesive, Massive, Uniform			
M	<168	5.5	N	BH01	3	3					
Total Depth @ 3 feet bgs.											


 ENSOLUM		Sample Name: BH02		Date: 06/19/25				
		Site Name: Dagger State TB						
		Incident Number: nAPP2515348746						
		Job Number: 03A2270104						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.449778, -103.616653			Logged By: JM		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 8'			
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. A 20% correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<168	1,812	Y	BH02	0	0	CCHE	Pad Caliche
M	370	1,447	Y	BH02	0.5	0.5		
M	<168	389	N	BH02	1	1	SP - SM	0.5 - 2' - Silty Sand - Medium Brown to Red, Medium to Very Fine with Small Gravel, Non-plastic, Noncohesive, Massive, Non-uniform, Sharp
M	<168	45	N	BH02	2	2		
M	<168	8.8	N	BH02	3	3		
M	<168	6.4	N	BH02	4	4		
M		41	N	BH02	5	5	SP	2 - 8' - Silty Sand - Medium to Dark Red, Medium to Fine, Non-plastic, Noncohesive, Massive, Uniform
M		0.3	N	BH02	6	6		
M			N	BH02	7	7		
M	<168	1	N	BH02	8	8		
Total Depth @ 8 feet bgs.								


								Sample Name: BH03		Date: 06/19/25	
								Site Name: Dagger State TB			
								Incident Number: nAPP2515348746			
								Job Number: 03A2270104			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JM		Method: Hand Auger	
Coordinates: 32.449964, -103.616674								Hole Diameter: 3"		Total Depth: 7'	
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			Y	BH03	0	0	CCHE	Pad Caliche			
D			Y	BH03	0.5	0.5					
M			N	BH03	1	1					
M			N	BH03	2	2	SP - SM	1 - 4' - Sand with Gravel - Medium to Dark Red, Medium to Fine with Small to Large Gravel, Non-plastic, Noncohesive, Massive, Non-uniform, Sharp			
M		15	N	BH03	3	3					
M			N	BH03	4	4					
M		7.1	N	BH03	5	5					
M			N	BH03	6	6	CCHE	4 - 7' - Caliche - Medium to Light Brown Medium to Fine with Small to Large Gravel, Non-plastic, Noncohesive, Non-uniform			
M	<168	1.3	N	BH03	7	7					
Total Depth @ 7 feet bgs.											


								Sample Name: BH04		Date: 06/19/25	
								Site Name: Dagger State TB			
								Incident Number: nAPP2515348746			
								Job Number: 03A2270104			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JM		Method: Hand Auger	
Coordinates: 32.450158, -103.616593								Hole Diameter: 3"		Total Depth: 8'	
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. A 20% correction factor is included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			Y	BH04	0	0	CCHE	Pad Caliche			
D			Y	BH04	0.5						
M			N	BH04	1	1					
M			N	BH04	2	2	SP - SM	0.5 - 4' - Sand with Gravel - Medium to Dark Red, Medium to Fine with Small to Large Gravel, Non-plastic, Noncohesive, Massive, Non-uniform, Sharp			
M			N	BH04	3	3					
M			N	BH04	4	4					
M		45.4	N	BH04	5	5					
M			N	BH04	6	6	CCHE	4 - 8' - Caliche - Medium to Light Brown Medium to Fine with Small to Large Gravel, Non-plastic, Noncohesive, Non-uniform			
M		0	N	BH04	7	7					
M	<168	2	N	BH04	8	8					
Total Depth @ 8 feet bgs.											

		Sample Name: BH05		Date: 06/19/25				
		Site Name: Dagger State TB						
		Incident Number: nAPP2515348746						
		Job Number: 03A2270104						
LITHOLOGIC / SOIL SAMPLING LOG		Logged By: JM		Method: Hand Auger				
Coordinates: 32.450100, -103.616739		Hole Diameter: 3"		Total Depth: 8'				
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. A 20% correction factor is included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH05	0	0	CCHE	Pad Caliche
D			Y	BH05	0.5			
M			N	BH05	1	1	SP - SM	0.5 - 2' - Silty Sand - Medium Brown to Red, Medium to Very Fine with Small Gravel, Moist, Non-plastic, Noncohesive, Massive, Uniform
M			N	BH05	2	2		
M			N	BH05	3	3		
M		100	N	BH05	4	4	SP	2 - 5' - Sand - Medium to Dark Red, Medium to Fine, Non-plastic, Noncohesive, Massive, Uniform
M	325	0.6	N	BH05	5	5		
Total Depth @ 5 feet bgs.								

								Sample Name: BH06		Date: 06/19/25	
								Site Name: Dagger State TB			
								Incident Number: nAPP2515348746			
								Job Number: 03A2270104			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JM		Method: Hand Auger	
Coordinates: 32.450184, -103.617024								Hole Diameter: 3"		Total Depth: 6'	
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			Y	BH06	0	0	CCHE	Pad Caliche			
D			Y	BH06	0.5						
M		311	N	BH06	1	1	CCHE	0.5 - 4' - Caliche - Medium to Light Brown, Medium to Fine with Small to Large Gravel, Non-plastic, Noncohesive, Massive, Non-uniform, Sharp			
M			N	BH06	2	2					
M			N	BH06	3	3					
M			N	BH06	4	4					
M		34.5	N	BH06	5	5	SP - SM	4 - 6' - Silty Sand - Medium Brown to Red , Medium to Very Fine with Small Gravel, Non-plastic, Noncohesive, Massive, Non-uniform			
M	<168	0.6	N	BH06	6	6					
Total Depth @ 6 feet bgs.											

							Sample Name: BH07		Date: 07/22/25	
							Site Name: Dagger State TB			
							Incident Number: nAPP2515348746			
							Job Number: 03A2270104			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: JM		Method: Hand Auger	
Coordinates: 32.449491, -103.616377							Hole Diameter: 3"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 20% correction factor is included.										
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D	<168		Y	BH07	0	0	CCHE	Pad Caliche		
D	<168	43	N	BH07	1	1	SP - SM	0.5 - 4' - Silty Sand - Medium Brown to Red , Medium to Very Fine with Small Gravel, Non-plastic, Noncohesive, Massive, Non-uniform		
D	<168		N	BH07	2	2				
D	<168		N	BH07	3	3				
D	<168		N	BH07	4	4				
Total Depth @ 4 feet bgs.										

								Sample Name: BH08		Date: 06/23/25	
								Site Name: Dagger State TB			
								Incident Number: nAPP2515348746			
								Job Number: 03A2270104			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JM		Method: Hand Auger	
Coordinates: 32.449510, -103.616332								Hole Diameter: 3"		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 20% correction factor is included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	336	45	Y	BH08	0	0	CCHE	Pad Caliche			
D			Y	BH08	0.5	0.5					
D			N	BH08	1	1	SP - SM	0.5 - 4' - Silty Sand - Medium Brown to Red , Medium to Very Fine with Small Gravel, Non-plastic, Noncohesive, Massive, Non-uniform			
D			N	BH08	2	2					
D			N	BH08	3	3					
D			N	BH08	4	4					
Total Depth @ 4 feet bgs.											

 ENSOLUM		Sample Name: BH09		Date: 06/22/25				
		Site Name: Dagger State TB						
		Incident Number: nAPP2515348746						
		Job Number: 03A2270104						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.449172, -103.616316			Logged By: JM		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 4'			
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 20% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<168		Y	BH09	0	0	CCHE	Pad Caliche
D	<168		Y	BH09	0.5	0.5		
D	<168	33	N	BH09	1	1	SP - SM	0.5 - 4' - Silty Sand - Medium Brown to Red , Medium to Very Fine with Small Gravel, Non-plastic, Noncohesive, Massive, Non-uniform
D	<168		N	BH09	2	2		
D	<168		N	BH09	3	3		
D	<168		N	BH09	4	4		
Total Depth @ 4 feet bgs.								



APPENDIX C

Photographic Log



Photographic Log

Matador Production Company

Dagger State TB

nAPP2515348746



Photograph 1
Description: Lease Signage
View: Southeast

Date: 07-02-2025



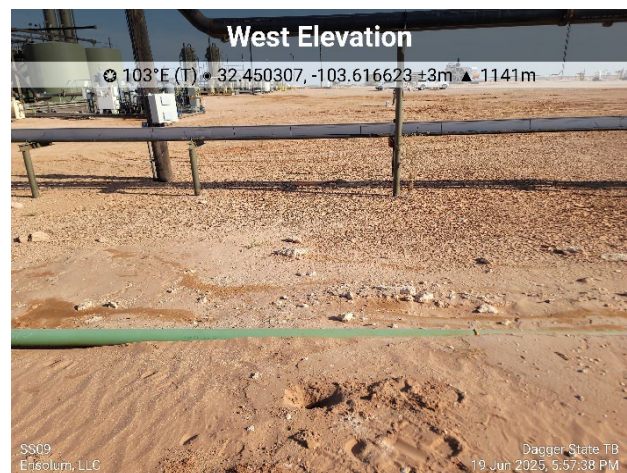
Photograph 2
Description: Lateral Delineation SS03
View: South

Date: 06-18-2025



Photograph 3
Description: Lateral Delineation SS15
View: East

Date: 06-19-2025



Photograph 4
Description: Lateral Delineation SS09
View: East

Date: 06-19-2025

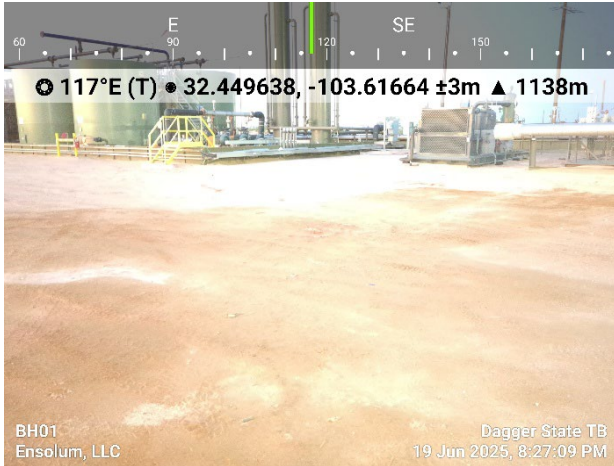


Photographic Log

Matador Production Company

Dagger State TB

nAPP2515348746



Photograph 5 Date: 06-19-2025
Description: Vertical Delineation BH01
View: Southeast



Photograph 6 Date: 06-19-2025
Description: Vertical Delineation BH04
View: Southeast



Photograph 7 Date: 06-19-2025
Description: Lateral Delineation SS15
View: East



Photograph 8 Date: 06-19-2025
Description: Lateral Delineation SS09
View: East

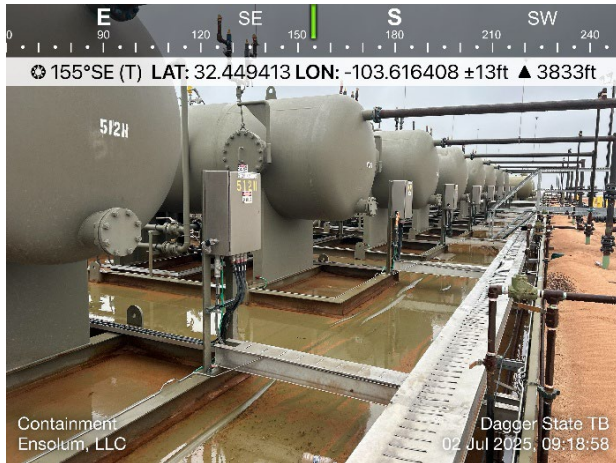


Photographic Log

Matador Production Company

Dagger State TB

nAPP2515348746



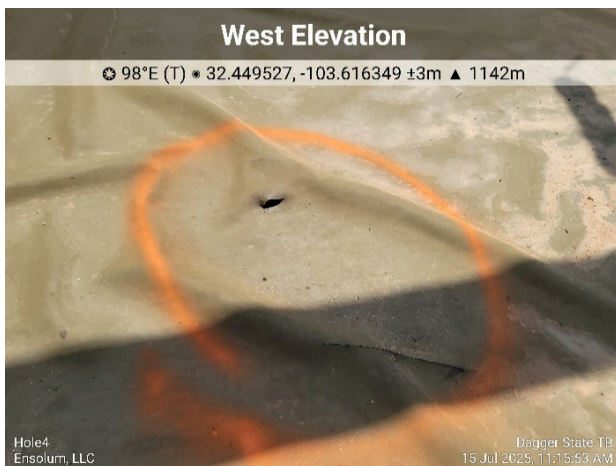
Photograph 9
Description: Containment
View: Southeast

Date: 07-02-2025



Photograph 10
Description: Hole 1
View: East

Date: 07-15-2025



Photograph 11
Description: Hole 4
View: East

Date: 07-15-2025



Photograph 12
Description: BH07
View: Northeast

Date: 07-22-2025



Photographic Log

Matador Production Company

Dagger State TB

nAPP2515348746

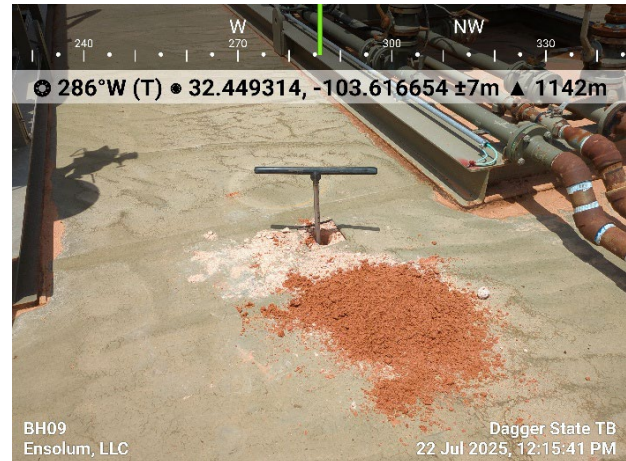


Photograph 13

Date: 07-22-2025

Description: BH07 Patch

View: North



Photograph 14

Date: 07-22-2025

Description: BH09

View: West

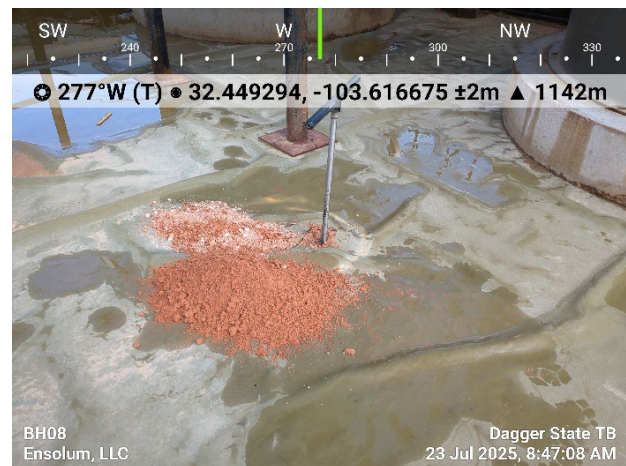


Photograph 15

Date: 07-22-2025

Description: BH09 Patch

View: West



Photograph 16

Date: 07-23-2025

Description: BH08

View: West

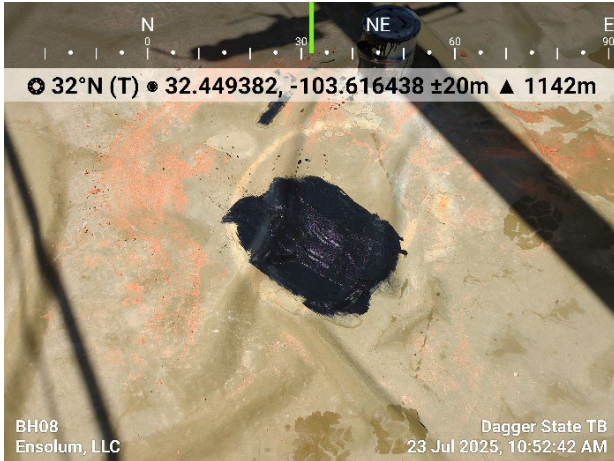


Photographic Log

Matador Production Company

Dagger State TB

nAPP2515348746

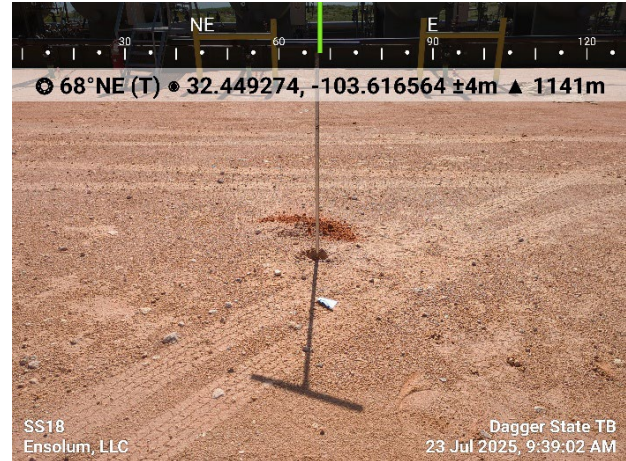


Photograph 17

Date: 07-23-2025

Description: BH08

View: Northeast



Photograph 18

Date: 07-23-2025

Description: SS18

View: East



Photograph 19

Date: 07-28-2025

Description: Hydrovac Daylighting Lines

View: North



Photograph 20

Date: 07-28-2025

Description: Excavation Area 2

View: West

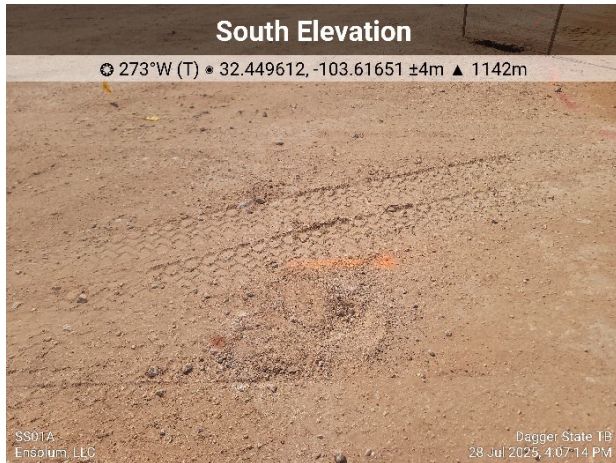


Photographic Log

Matador Production Company

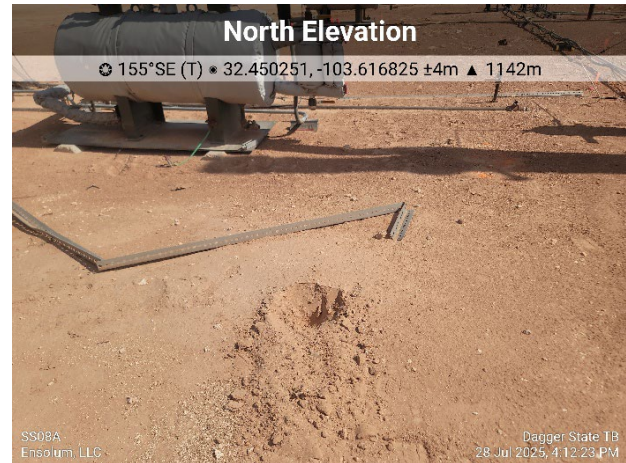
Dagger State TB

nAPP2515348746



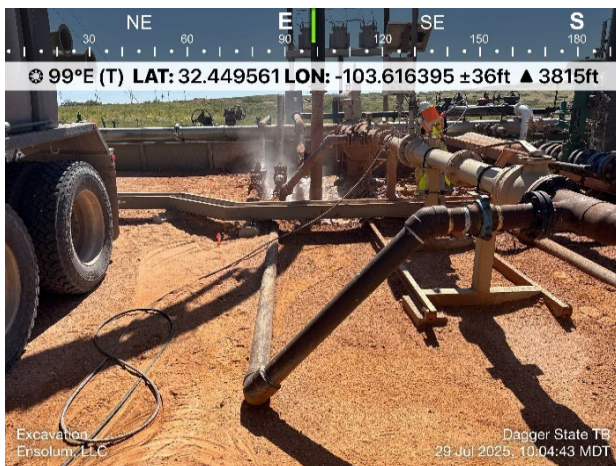
Photograph 21
Description: SS01A
View: North

Date: 07-28-2025



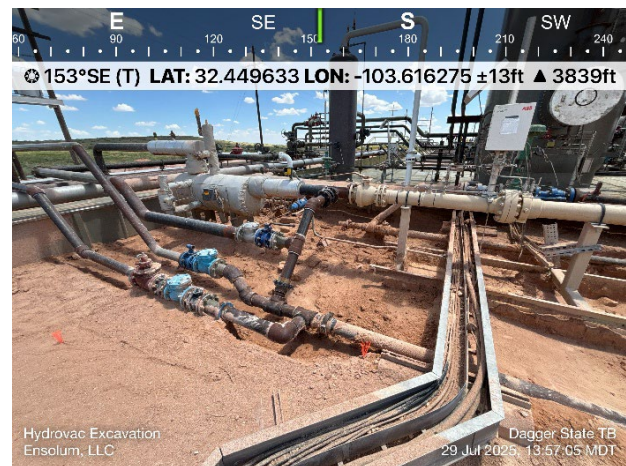
Photograph 22
Description: SS08A
View: South

Date: 07-28-2025



Photograph 23
Description: Excavation
View: East

Date: 07-29-2025



Photograph 24
Description: Hydrovac Excavation
View: Southeast

Date: 07-29-2025

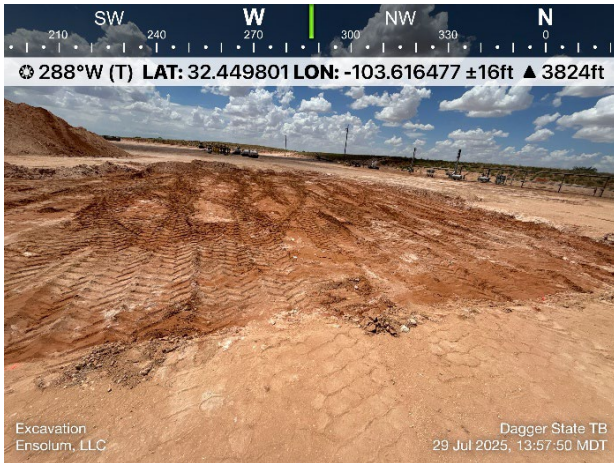


Photographic Log

Matador Production Company

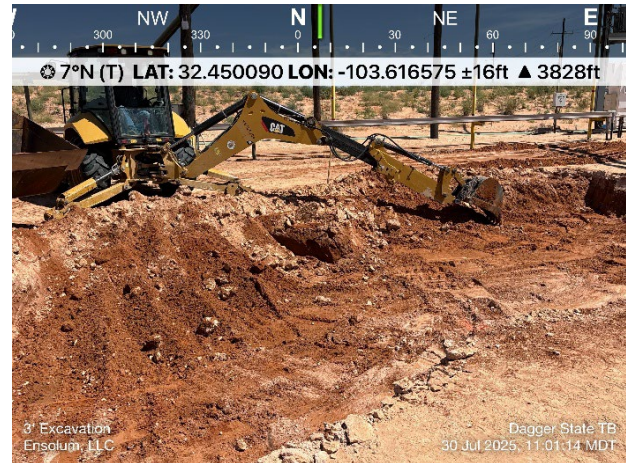
Dagger State TB

nAPP2515348746



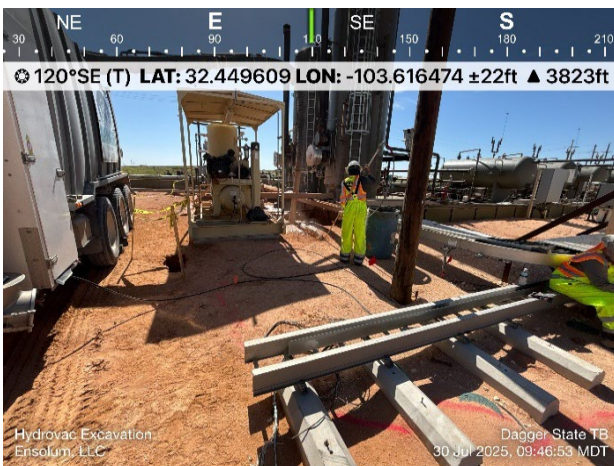
Photograph 25
Description: Excavation
View: West

Date: 07-29-2025



Photograph 26
Description: 3' Excavation
View: North

Date: 07-30-2025



Photograph 27
Description: Hydrovac Excavation
View: Southeast

Date: 07-30-2025



Photograph 28
Description: Excavation
View: Northwest

Date: 07-30-2025

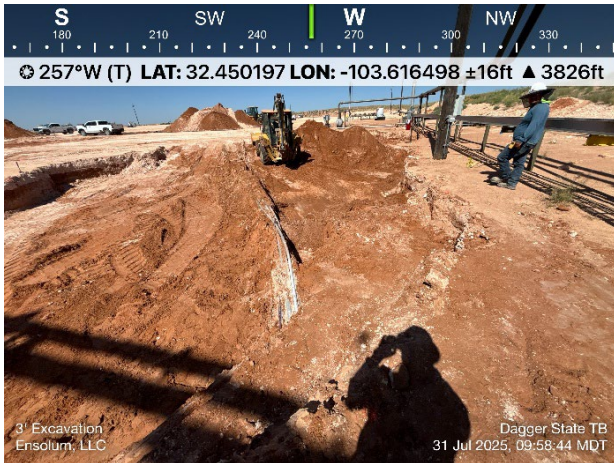


Photographic Log

Matador Production Company

Dagger State TB

nAPP2515348746



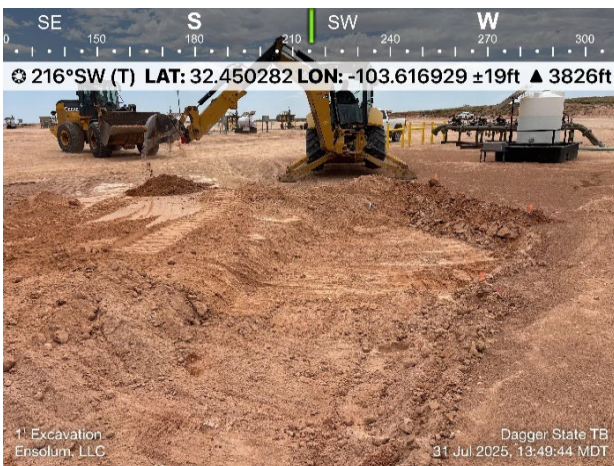
Photograph 29
Description: 3' Excavation
View: West

Date: 07-31-2025



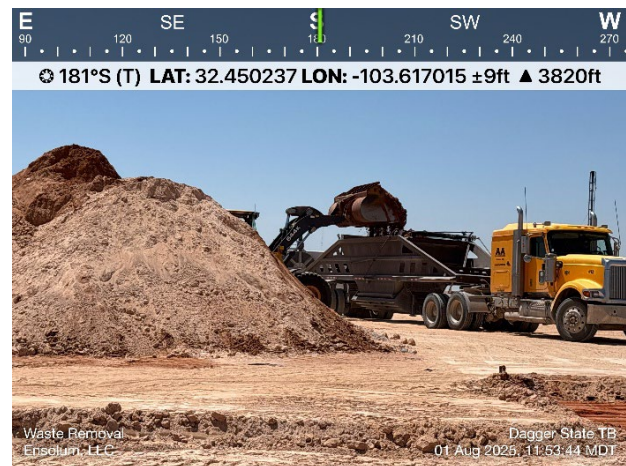
Photograph 30
Description: 0.5' Excavation
View: Southeast

Date: 07-31-2025



Photograph 31
Description: 1' Excavation
View: Southwest

Date: 07-31-2025



Photograph 32
Description: Waste Removal
View: South

Date: 08-01-2025



Photographic Log

Matador Production Company

Dagger State TB

nAPP2515348746



Photograph 33
Description: Excavation
View: West

Date: 08-01-2025



Photograph 34
Description: Excavation
View: Northwest

Date: 08-01-2025



Photograph 35
Description: 3' Excavation
View: North

Date: 08-01-2025



Photograph 36
Description: 1' Excavation
View: Northwest

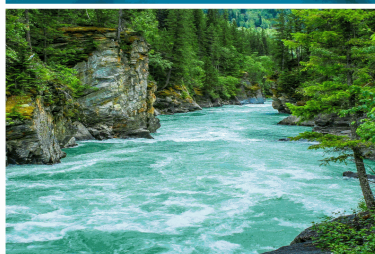
Date: 08-01-2025



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 TB

Work Order: E506166

Job Number: 23003-0002

Received: 6/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/26/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/26/25

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



Project Name: Dagger State TB
Workorder: E506166
Date Received: 6/20/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/20/2025 6:30:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/26/25 08:40
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E506166-01A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS01-1'	E506166-02A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS02-0'	E506166-03A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS02-1'	E506166-04A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS03-0'	E506166-05A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS03-1'	E506166-06A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS04-0'	E506166-07A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS04-1'	E506166-08A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS05-0'	E506166-09A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS05-1'	E506166-10A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS06-0'	E506166-11A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS06-1'	E506166-12A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS07-0'	E506166-13A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.
SS07-1'	E506166-14A	Soil	06/18/25	06/20/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS01-0'

E506166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.0 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.0 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	94.7 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	149	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS01-1'

E506166-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.2 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	90.0 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	ND	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS02-0'

E506166-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.6 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	90.8 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	57.2	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS02-1'

E506166-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.3 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.0 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	83.0 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	84.4	20.0	1	06/20/25	06/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/26/2025 8:40:29AM
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SS03-0'

E506166-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
Surrogate: 4-Bromochlorobenzene-PID	97.1 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.5 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
Surrogate: n-Nonane	89.0 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	ND	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS03-1'

E506166-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.7 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.1 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	88.5 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	ND	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS04-0'

E506166-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.8 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	88.7 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	24.8	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS04-1'

E506166-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.5 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.9 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	92.8 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	ND	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS05-0'

E506166-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.9 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.6 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	91.1 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	ND	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS05-1'

E506166-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.4 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.8 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	90.0 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	ND	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS06-0'

E506166-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/20/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/20/25	
Toluene	ND	0.0250	1	06/20/25	06/20/25	
o-Xylene	ND	0.0250	1	06/20/25	06/20/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/20/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.7 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.8 %	70-130		06/20/25	06/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	90.3 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	ND	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS06-1'

E506166-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/21/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/21/25	
Toluene	ND	0.0250	1	06/20/25	06/21/25	
o-Xylene	ND	0.0250	1	06/20/25	06/21/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/21/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.8 %	70-130		06/20/25	06/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	83.0 %	70-130		06/20/25	06/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/23/25	
<i>Surrogate: n-Nonane</i>	87.3 %	61-141		06/23/25	06/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	31.4	20.0	1	06/20/25	06/21/25	



Sample Data

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

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

Reported:
6/26/2025 8:40:29AM

SS07-0'

E506166-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/21/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/21/25	
Toluene	ND	0.0250	1	06/20/25	06/21/25	
o-Xylene	ND	0.0250	1	06/20/25	06/21/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/21/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.7 %	70-130		06/20/25	06/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.7 %	70-130		06/20/25	06/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	85.7 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	69.9	20.0	1	06/20/25	06/21/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/26/2025 8:40:29AM
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SS07-1'

E506166-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Benzene	ND	0.0250	1	06/20/25	06/21/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/21/25	
Toluene	ND	0.0250	1	06/20/25	06/21/25	
o-Xylene	ND	0.0250	1	06/20/25	06/21/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/21/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/21/25	
Surrogate: 4-Bromochlorobenzene-PID	98.7 %	70-130		06/20/25	06/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.0 %	70-130		06/20/25	06/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526014	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
Surrogate: n-Nonane	89.1 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2525105	
Chloride	490	20.0	1	06/20/25	06/21/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/26/2025 8:40:29AM

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 (2525101-BLK1)

Prepared: 06/20/25 Analyzed: 06/20/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			

LCS (2525101-BS1)

Prepared: 06/20/25 Analyzed: 06/20/25

Benzene	4.73	0.0250	5.00		94.6	70-130			
Ethylbenzene	4.64	0.0250	5.00		92.9	70-130			
Toluene	4.68	0.0250	5.00		93.7	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.32	0.0500	10.0		93.2	70-130			
Total Xylenes	14.0	0.0250	15.0		93.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			

Matrix Spike (2525101-MS1)

Source: E506166-08

Prepared: 06/20/25 Analyzed: 06/20/25

Benzene	4.68	0.0250	5.00	ND	93.7	70-130			
Ethylbenzene	4.59	0.0250	5.00	ND	91.8	70-130			
Toluene	4.63	0.0250	5.00	ND	92.6	70-130			
o-Xylene	4.61	0.0250	5.00	ND	92.1	70-130			
p,m-Xylene	9.20	0.0500	10.0	ND	92.0	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	92.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.6	70-130			

Matrix Spike Dup (2525101-MSD1)

Source: E506166-08

Prepared: 06/20/25 Analyzed: 06/20/25

Benzene	5.05	0.0250	5.00	ND	101	70-130	7.45	27	
Ethylbenzene	4.95	0.0250	5.00	ND	99.1	70-130	7.58	26	
Toluene	4.99	0.0250	5.00	ND	99.9	70-130	7.59	20	
o-Xylene	4.98	0.0250	5.00	ND	99.6	70-130	7.80	25	
p,m-Xylene	9.92	0.0500	10.0	ND	99.2	70-130	7.48	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.3	70-130	7.59	26	
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/26/2025 8:40:29AM

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 (2525101-BLK1) Prepared: 06/20/25 Analyzed: 06/20/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.3	70-130			

LCS (2525101-BS2) Prepared: 06/20/25 Analyzed: 06/20/25

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			

Matrix Spike (2525101-MS2) Source: E506166-08 Prepared: 06/20/25 Analyzed: 06/20/25

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

Matrix Spike Dup (2525101-MSD2) Source: E506166-08 Prepared: 06/20/25 Analyzed: 06/20/25

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	2.91	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/26/2025 8:40:29AM

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 (2526014-BLK1) Prepared: 06/23/25 Analyzed: 06/23/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.8		50.0		91.7	61-141			

LCS (2526014-BS1) Prepared: 06/23/25 Analyzed: 06/23/25

Diesel Range Organics (C10-C28)	244	25.0	250		97.7	66-144			
Surrogate: n-Nonane	45.1		50.0		90.2	61-141			

Matrix Spike (2526014-MS1) Source: E506166-02 Prepared: 06/23/25 Analyzed: 06/23/25

Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156			
Surrogate: n-Nonane	47.7		50.0		95.4	61-141			

Matrix Spike Dup (2526014-MSD1) Source: E506166-02 Prepared: 06/23/25 Analyzed: 06/23/25

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156	1.80	20	
Surrogate: n-Nonane	48.6		50.0		97.3	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/26/2025 8:40:29AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2525105-BLK1)					Prepared: 06/20/25 Analyzed: 06/20/25				
Chloride	ND	20.0							
LCS (2525105-BS1)					Prepared: 06/20/25 Analyzed: 06/20/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2525105-MS1)					Source: E506166-04		Prepared: 06/20/25 Analyzed: 06/20/25		
Chloride	320	20.0	250	84.4	94.3	80-120			
Matrix Spike Dup (2525105-MSD1)					Source: E506166-04		Prepared: 06/20/25 Analyzed: 06/21/25		
Chloride	276	20.0	250	84.4	76.6	80-120	14.9	20	M2

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 TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/26/25 08:40

- M2 Matrix spike recovery was outside quality control limits. 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 Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Dagger State TB				Address: 3122 National Parks Hwy				E506166		2503-002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information							DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - T	RCRA 8 Met						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number														
12:52	6/18/2025	S	1	SS01-0'		1						X								1.0
14:19	6/18/2025	S	1	SS01-1'		2						X								2.8
11:27	6/18/2025	S	1	SS02-0'		3						X								2.6
12:15	6/18/2025	S	1	SS02-1'		4						X								2.1
11:34	6/18/2025	S	1	SS03-0'		5						X								2.3
12:20	6/18/2025	S	1	SS03-1'		6						X								1.4
14:54	6/18/2025	S	1	SS04-0'		7						X								1.6
15:23	6/18/2025	S	1	SS04-1'		8						X								2.3
13:53	6/18/2025	S	1	SS05-0'		9						X								1.7
14:50	6/18/2025	S	1	SS05-1'		10						X								1.0

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

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: AK, JH

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



envirotech

Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State									
Company: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX						
Project: Dagger State TB				Address: 3122 National Parks Hwy				E506166		23003-002					X	X									
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																					
Address: 3122 National Parks Hwy				Phone: 575-988-0055																					
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																					
Phone: 575-988-0055				Miscellaneous:																					
Email: agiovengo@ensolum.com																									
												Analysis and Method				EPA Program									
																SDWA				CWA		RCRA			
																Compliance				Y		or		N	
																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										
13:56	6/18/2025	S	1	SS06-0'			11						X						1.1						
14:53	6/18/2025	S	1	SS06-1'			12						X						2.0						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																									
Sampled by: AK, JH																									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		<div>Lab Use Only</div> <div>Received on ice: (Y) / N</div> <div>T1 T2 T3</div> <div>AVG Temp °C</div>													
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																									
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Chain of Custody

ESD6166 CM 16/16/25

Client Information				Invoice Information				Lab Use Only				TAT				State											
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# E100				Job Number 23003-0002				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>				1D	2D	3D	Std				X
1D	2D	3D	Std																								
			X																								
Project: Dagger State TB				Address: 3122 National Parks Hwy								<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	
15:26	6/18/2025	S	1	SS07-0'		13						X						2.4
15:28	6/18/2025	S	1	SS07-1'		14						X						1.7

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

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: AK, JH

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



Envirotech Analytical Laboratory

Printed: 6/20/2025 7:58:45AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/20/25 06:30	Work Order ID:	E506166
Phone:	(972) 371-5200	Date Logged In:	06/19/25 13:38	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/26/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

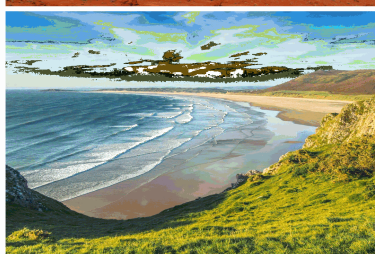
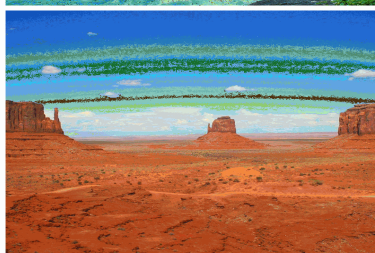
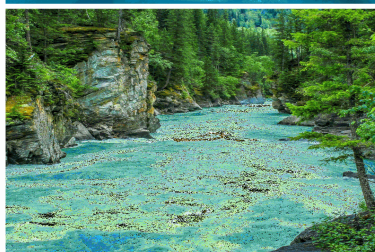
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E506181

Job Number: 23003-0002

Received: 6/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/26/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/26/25

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



Project Name: Dagger State TB
Workorder: E506181
Date Received: 6/23/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2025 6:45:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Dagger State TB

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

06/26/25 16:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS08-0'	E506181-01A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS08-1'	E506181-02A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS09-0'	E506181-03A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS09-1'	E506181-04A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS11-0'	E506181-05A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS11-1'	E506181-06A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS12-0'	E506181-07A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS12-1'	E506181-08A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS14-0'	E506181-09A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS14-1'	E506181-10A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS10-0'	E506181-11A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS10-1'	E506181-12A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS13-0'	E506181-13A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS13-1'	E506181-14A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS15-0'	E506181-15A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
SS15-1'	E506181-16A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS08-0'

E506181-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.9 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.5 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	91.3 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	52.8	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS08-1'

E506181-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.4 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.7 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	99.0 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	126	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS09-0'

E506181-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.3 %</i>	<i>70-130</i>		<i>06/20/25</i>	<i>06/24/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>94.1 %</i>	<i>70-130</i>		<i>06/20/25</i>	<i>06/24/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	296	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	477	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	<i>91.0 %</i>	<i>61-141</i>		<i>06/23/25</i>	<i>06/24/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	32.6	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS09-1'

E506181-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/23/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/23/25	
Toluene	ND	0.0250	1	06/20/25	06/23/25	
o-Xylene	ND	0.0250	1	06/20/25	06/23/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/23/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	06/20/25	06/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	06/20/25	06/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>		93.3 %	61-141	06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	257	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS11-0'

E506181-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
	93.5 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	ND	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS11-1'

E506181-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
	95.7 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	ND	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS12-0'

E506181-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
	94.0 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	59.1	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS12-1'

E506181-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.5 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.0 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	88.1 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	85.7	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS14-0'

E506181-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
	88.4 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	ND	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS14-1'

E506181-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.6 %</i>	<i>70-130</i>		<i>06/20/25</i>	<i>06/24/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>94.1 %</i>	<i>70-130</i>		<i>06/20/25</i>	<i>06/24/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	<i>87.2 %</i>	<i>61-141</i>		<i>06/23/25</i>	<i>06/24/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	274	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS10-0'

E506181-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.2 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.9 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	88.4 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	ND	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS10-1'

E506181-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.2 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.9 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	88.0 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	ND	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS13-0'

E506181-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
	90.8 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	273	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS13-1'

E506181-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.3 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.8 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	87.1 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	49.8	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS15-0'

E506181-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
	90.3 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	39.0	20.0	1	06/23/25	06/24/25	



Sample Data

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

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

Reported:
6/26/2025 4:36:16PM

SS15-1'

E506181-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.6 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526036	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>		86.9 %	61-141	06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526008	
Chloride	120	20.0	1	06/23/25	06/24/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/26/2025 4:36:16PM

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 (2525112-BLK1) Prepared: 06/20/25 Analyzed: 06/23/25

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	7.89		8.00		98.7	70-130			

LCS (2525112-BS1) Prepared: 06/20/25 Analyzed: 06/23/25

Benzene	5.61	0.0250	5.00		112	70-130			
Ethylbenzene	5.50	0.0250	5.00		110	70-130			
Toluene	5.57	0.0250	5.00		111	70-130			
o-Xylene	5.41	0.0250	5.00		108	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.8	70-130			

Matrix Spike (2525112-MS1) Source: E506181-04 Prepared: 06/20/25 Analyzed: 06/23/25

Benzene	5.28	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.17	0.0250	5.00	ND	103	70-130			
Toluene	5.24	0.0250	5.00	ND	105	70-130			
o-Xylene	5.08	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

Matrix Spike Dup (2525112-MSD1) Source: E506181-04 Prepared: 06/20/25 Analyzed: 06/23/25

Benzene	5.63	0.0250	5.00	ND	113	70-130	6.53	27	
Ethylbenzene	5.49	0.0250	5.00	ND	110	70-130	6.05	26	
Toluene	5.58	0.0250	5.00	ND	112	70-130	6.34	20	
o-Xylene	5.41	0.0250	5.00	ND	108	70-130	6.24	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	5.90	23	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	6.01	26	
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/26/2025 4:36:16PM

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 (2525112-BLK1) Prepared: 06/20/25 Analyzed: 06/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

LCS (2525112-BS2) Prepared: 06/20/25 Analyzed: 06/23/25

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

Matrix Spike (2525112-MS2) Source: E506181-04 Prepared: 06/20/25 Analyzed: 06/23/25

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

Matrix Spike Dup (2525112-MSD2) Source: E506181-04 Prepared: 06/20/25 Analyzed: 06/23/25

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0	ND	87.6	70-130	0.781	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 TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/26/2025 4:36:16PM

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 (2526036-BLK1)					Prepared: 06/23/25 Analyzed: 06/24/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.6		50.0		89.1	61-141			

LCS (2526036-BS1)					Prepared: 06/23/25 Analyzed: 06/24/25				
Diesel Range Organics (C10-C28)	230	25.0	250		92.1	66-144			
Surrogate: n-Nonane	45.1		50.0		90.2	61-141			

Matrix Spike (2526036-MS1)					Source: E506181-04		Prepared: 06/23/25 Analyzed: 06/24/25		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	46.7		50.0		93.4	61-141			

Matrix Spike Dup (2526036-MSD1)					Source: E506181-04		Prepared: 06/23/25 Analyzed: 06/24/25		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156	2.22	20	
Surrogate: n-Nonane	49.0		50.0		98.1	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/26/2025 4:36:16PM
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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 (2526008-BLK1)					Prepared: 06/23/25 Analyzed: 06/24/25				
Chloride	ND	20.0							
LCS (2526008-BS1)					Prepared: 06/23/25 Analyzed: 06/24/25				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2526008-MS1)					Source: E506181-04		Prepared: 06/23/25 Analyzed: 06/24/25		
Chloride	507	20.0	250	257	99.8	80-120			
Matrix Spike Dup (2526008-MSD1)					Source: E506181-04		Prepared: 06/23/25 Analyzed: 06/24/25		
Chloride	514	20.0	250	257	103	80-120	1.34	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/26/25 16:36

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 Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Dagger State TB				Address: 3122 National Parks Hwy				E5000181		630030002					X	X			
Project Manager: Ashley Giovento				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovento@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovento@ensolum.com																			

Sample Information							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					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number													
15:00	6/19/2025	S	1	SS08-0'		1						X							4.9
15:04	6/19/2025	S	1	SS08-1'		2						X							4.7
13:12	6/19/2025	S	1	SS09-0'		3						X							5.0
13:14	6/19/2025	S	1	SS09-1'		4						X							5.1
11:30	6/19/2025	S	1	SS11-0'		5						X							4.9
13:30	6/19/2025	S	1	SS11-1'		6						X							4.8
13:36	6/19/2025	S	1	SS12-0'		7						X							4.6
14:56	6/19/2025	S	1	SS12-1'		8						X							4.9
13:10	6/19/2025	S	1	SS14-0'		9						X							4.2
14:46	6/19/2025	S	1	SS14-1'		10						X							4.3

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

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Aoubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



envirotech

Chain of Custody

Client Information				Invoice Information				Lab Use Only						TAT				State									
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number				1D	2D	3D	Std	NM	CO	UT	TX						
Project: Dagger State TB				Address: 3122 National Parks Hwy				E506181		23003002							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								
11:27	6/19/2025	S	1	SS10-0'		11						X															
13:22	6/19/2025	S	1	SS10-1'		12						X															
11:37	6/19/2025	S	1	SS13-0'		13						X															
13:39	6/19/2025	S	1	SS13-1'		14						X															
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																											
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																											
Sampled by: Aboubakar Kone																											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: Y/N T1 T2 T3 AVG Temp °C																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																											

Client Information				Invoice Information				Lab Use Only				TAT				State												
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX									
Project: Dagger State TB				Address: 3122 National Parks Hwy				E605181							X	X												
Project Manager: Ashley Giovenago				City, State, Zip: Carlsbad NM, 88220				Analysis and Method												EPA Program								
Address: 3122 National Parks Hwy				Phone: 575-988-0055																SDWA			CWA			RCRA		
City, State, Zip: Carlsbad NM, 88220				Email: agiovenago@ensolum.com																Compliance			Y			or		
Phone: 575-988-0055				Miscellaneous:				PWSID #												Remarks								
Email: agiovenago@ensolum.com																												
Sample Information																												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals													
13:03	6/19/2025	S	1	SS15-0'			15						X				5.0											
14:52	6/19/2025	S	1	SS15-1'			16						X				5.1											
Additional Instructions: Please CC: cburton@ensolum.com, agiovenago@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																												
Sampled by: Aboubakar Kone																												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																												
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																												

Envirotech Analytical Laboratory

Printed: 6/23/2025 11:56:28AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/23/25 06:45	Work Order ID:	E506181
Phone:	(972) 371-5200	Date Logged In:	06/20/25 13:28	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/27/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

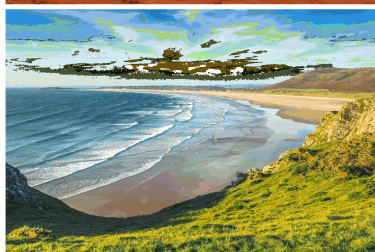
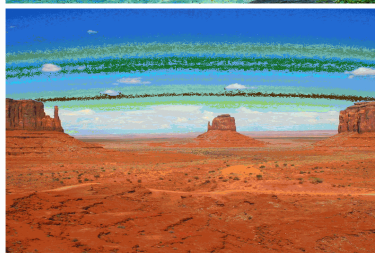
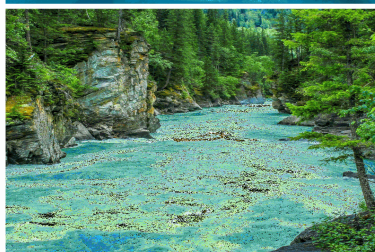
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E506182

Job Number: 23003-0002

Received: 6/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/27/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/27/25

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



Project Name: Dagger State TB
Workorder: E506182
Date Received: 6/23/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2025 6:45:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/27/25 11:22
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E506182-01A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH01-0.5'	E506182-02A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH01-1'	E506182-03A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH01-3'	E506182-04A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH02-0'	E506182-05A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH02-0.5'	E506182-06A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH02-1'	E506182-07A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH02-2'	E506182-08A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH02-4'	E506182-09A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH02-6'	E506182-10A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH02-8'	E506182-11A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH03-0'	E506182-12A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH03-0.5'	E506182-13A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH03-1'	E506182-14A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH03-3'	E506182-15A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH03-5'	E506182-16A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH03-7'	E506182-17A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH04-0'	E506182-18A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH04-0.5'	E506182-19A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH04-1'	E506182-20A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH01-0'

E506182-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	0.289	0.125	5	06/20/25	06/24/25	
Ethylbenzene	5.47	0.125	5	06/20/25	06/24/25	
Toluene	5.35	0.125	5	06/20/25	06/24/25	
o-Xylene	6.78	0.125	5	06/20/25	06/24/25	
p,m-Xylene	16.1	0.250	5	06/20/25	06/24/25	
Total Xylenes	22.9	0.125	5	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	307	100	5	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.2 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	30400	1250	50	06/23/25	06/25/25	T9
Oil Range Organics (C28-C36)	10600	2500	50	06/23/25	06/25/25	
<i>Surrogate: n-Nonane</i>						
		284 %	61-141	06/23/25	06/25/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	601	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH01-0.5'

E506182-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	0.0255	0.0250	1	06/20/25	06/24/25	
Toluene	0.0320	0.0250	1	06/20/25	06/24/25	
o-Xylene	0.0428	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	0.0854	0.0500	1	06/20/25	06/24/25	
Total Xylenes	0.128	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	32.8	25.0	1	06/23/25	06/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/25/25	
<i>Surrogate: n-Nonane</i>						
		98.1 %	61-141	06/23/25	06/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	36.1	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH01-1'

E506182-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	0.0267	0.0250	1	06/20/25	06/24/25	
Toluene	0.0822	0.0250	1	06/20/25	06/24/25	
o-Xylene	0.0611	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	0.117	0.0500	1	06/20/25	06/24/25	
Total Xylenes	0.178	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.1 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/25/25	
<i>Surrogate: n-Nonane</i>	89.4 %	61-141		06/23/25	06/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	ND	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH01-3'

E506182-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/26/25	
<i>Surrogate: n-Nonane</i>		88.9 %	61-141	06/23/25	06/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	ND	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH02-0'

E506182-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	0.344	0.125	5	06/20/25	06/24/25	
Ethylbenzene	5.99	0.125	5	06/20/25	06/24/25	
Toluene	7.22	0.125	5	06/20/25	06/24/25	
o-Xylene	7.28	0.125	5	06/20/25	06/24/25	
p,m-Xylene	17.1	0.250	5	06/20/25	06/24/25	
Total Xylenes	24.4	0.125	5	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	274	100	5	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.6 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	16800	500	20	06/23/25	06/25/25	T9
Oil Range Organics (C28-C36)	5390	1000	20	06/23/25	06/25/25	
<i>Surrogate: n-Nonane</i>						
		250 %	61-141	06/23/25	06/25/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	143	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH02-0.5'

E506182-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	0.234	0.125	5	06/20/25	06/24/25	
Ethylbenzene	7.15	0.125	5	06/20/25	06/24/25	
Toluene	6.40	0.125	5	06/20/25	06/24/25	
o-Xylene	8.60	0.125	5	06/20/25	06/24/25	
p,m-Xylene	21.3	0.250	5	06/20/25	06/24/25	
Total Xylenes	29.9	0.125	5	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	106 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	468	100	5	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	11500	500	20	06/23/25	06/26/25	T9
Oil Range Organics (C28-C36)	3270	1000	20	06/23/25	06/26/25	
<i>Surrogate: n-Nonane</i>						
	275 %	61-141		06/23/25	06/26/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	275	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH02-1'

E506182-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.6 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.3 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	91.8	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	66.3	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	90.6 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	ND	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH02-2'

E506182-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	0.0537	0.0250	1	06/20/25	06/24/25	
Toluene	0.0925	0.0250	1	06/20/25	06/24/25	
o-Xylene	0.0605	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	0.0818	0.0500	1	06/20/25	06/24/25	
Total Xylenes	0.142	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.9 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	93.1 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	33.1	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH02-4'

E506182-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.6 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.4 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	93.6 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	23.2	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH02-6'

E506182-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.6 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>		91.6 %	61-141	06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	ND	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH02-8'

E506182-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.8 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	90.7 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	ND	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH03-0'

E506182-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/26/25	
Ethylbenzene	0.751	0.0250	1	06/20/25	06/26/25	
Toluene	0.427	0.0250	1	06/20/25	06/26/25	
o-Xylene	1.07	0.0250	1	06/20/25	06/26/25	
p,m-Xylene	2.50	0.0500	1	06/20/25	06/26/25	
Total Xylenes	3.57	0.0250	1	06/20/25	06/26/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	23.1 %	70-130		06/20/25	06/26/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	53.8	20.0	1	06/20/25	06/26/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	19.9 %	70-130		06/20/25	06/26/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	3310	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	1030	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
	119 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	ND	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH03-0.5'

E506182-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/26/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/26/25	
<i>Surrogate: n-Nonane</i>		91.8 %	61-141	06/23/25	06/26/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	71.8	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH03-1'

E506182-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.3 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.3 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	93.6 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	22.1	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH03-3'

E506182-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.7 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.4 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	94.5 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	82.1	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH03-5'

E506182-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>		91.8 %	61-141	06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	67.1	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH03-7'

E506182-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.3 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	98.9 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	66.1	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH04-0'

E506182-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	2.12	0.125	5	06/20/25	06/24/25	
Ethylbenzene	10.0	0.125	5	06/20/25	06/24/25	
Toluene	23.2	0.125	5	06/20/25	06/24/25	
o-Xylene	10.3	0.125	5	06/20/25	06/24/25	
p,m-Xylene	26.1	0.250	5	06/20/25	06/24/25	
Total Xylenes	36.5	0.125	5	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	352	100	5	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.8 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	13500	500	20	06/23/25	06/26/25	T9
Oil Range Organics (C28-C36)	3990	1000	20	06/23/25	06/26/25	
<i>Surrogate: n-Nonane</i>						
		256 %	61-141	06/23/25	06/26/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	28.5	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH04-0.5'

E506182-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	0.0433	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	0.106	0.0500	1	06/20/25	06/24/25	
Total Xylenes	0.149	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	402	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	184	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
		94.1 %	61-141	06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	ND	20.0	1	06/23/25	06/23/25	



Sample Data

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

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

Reported:
6/27/2025 11:22:05AM

BH04-1'

E506182-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Benzene	ND	0.125	5	06/20/25	06/24/25	
Ethylbenzene	0.712	0.125	5	06/20/25	06/24/25	
Toluene	1.02	0.125	5	06/20/25	06/24/25	
o-Xylene	2.95	0.125	5	06/20/25	06/24/25	
p,m-Xylene	6.99	0.250	5	06/20/25	06/24/25	
Total Xylenes	9.94	0.125	5	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	106 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2525113	
Gasoline Range Organics (C6-C10)	133	100	5	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2526025	
Diesel Range Organics (C10-C28)	3800	25.0	1	06/23/25	06/24/25	T9
Oil Range Organics (C28-C36)	1250	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
	140 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2526009	
Chloride	ND	20.0	1	06/23/25	06/23/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/27/2025 11:22:05AM

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 (2525113-BLK1)

Prepared: 06/20/25 Analyzed: 06/24/25

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	7.18		8.00		89.8	70-130			

LCS (2525113-BS1)

Prepared: 06/20/25 Analyzed: 06/24/25

Benzene	5.73	0.0250	5.00		115	70-130			
Ethylbenzene	5.62	0.0250	5.00		112	70-130			
Toluene	5.69	0.0250	5.00		114	70-130			
o-Xylene	5.50	0.0250	5.00		110	70-130			
p,m-Xylene	11.3	0.0500	10.0		113	70-130			
Total Xylenes	16.8	0.0250	15.0		112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			

Matrix Spike (2525113-MS1)

Source: E506182-05

Prepared: 06/20/25 Analyzed: 06/24/25

Benzene	28.1	0.125	25.0	0.344	111	70-130			
Ethylbenzene	32.3	0.125	25.0	5.99	105	70-130			
Toluene	33.8	0.125	25.0	7.22	106	70-130			
o-Xylene	33.5	0.125	25.0	7.28	105	70-130			
p,m-Xylene	68.9	0.250	50.0	17.1	104	70-130			
Total Xylenes	102	0.125	75.0	24.4	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	42.2		40.0		106	70-130			

Matrix Spike Dup (2525113-MSD1)

Source: E506182-05

Prepared: 06/20/25 Analyzed: 06/24/25

Benzene	28.8	0.125	25.0	0.344	114	70-130	2.36	27	
Ethylbenzene	32.9	0.125	25.0	5.99	108	70-130	1.94	26	
Toluene	34.5	0.125	25.0	7.22	109	70-130	1.99	20	
o-Xylene	34.2	0.125	25.0	7.28	108	70-130	2.09	25	
p,m-Xylene	70.2	0.250	50.0	17.1	106	70-130	1.86	23	
Total Xylenes	104	0.125	75.0	24.4	107	70-130	1.93	26	
Surrogate: 4-Bromochlorobenzene-PID	42.5		40.0		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/27/2025 11:22:05AM

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 (2525113-BLK1) Prepared: 06/20/25 Analyzed: 06/24/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

LCS (2525113-BS2) Prepared: 06/20/25 Analyzed: 06/24/25

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike (2525113-MS2) Source: E506182-05 Prepared: 06/20/25 Analyzed: 06/24/25

Gasoline Range Organics (C6-C10)	495	100	250	274	88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	39.7		40.0		99.3	70-130			

Matrix Spike Dup (2525113-MSD2) Source: E506182-05 Prepared: 06/20/25 Analyzed: 06/24/25

Gasoline Range Organics (C6-C10)	513	100	250	274	95.6	70-130	3.51	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	40.1		40.0		100	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/27/2025 11:22:05AM

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 (2526025-BLK1)					Prepared: 06/23/25 Analyzed: 06/23/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.8	61-141			

LCS (2526025-BS1)					Prepared: 06/23/25 Analyzed: 06/23/25				
Diesel Range Organics (C10-C28)	258	25.0	250		103	66-144			
Surrogate: n-Nonane	46.0		50.0		91.9	61-141			

Matrix Spike (2526025-MS1)					Source: E506182-05		Prepared: 06/23/25 Analyzed: 06/25/25		
Diesel Range Organics (C10-C28)	15300	500	250	16800	NR	56-156		M4	
Surrogate: n-Nonane	118		50.0		236	61-141			S5

Matrix Spike Dup (2526025-MSD1)					Source: E506182-05		Prepared: 06/23/25 Analyzed: 06/25/25		
Diesel Range Organics (C10-C28)	16000	500	250	16800	NR	56-156	4.92	20	M4
Surrogate: n-Nonane	120		50.0		240	61-141			S5



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/27/2025 11:22:05AM
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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 (2526009-BLK1)					Prepared: 06/23/25 Analyzed: 06/23/25				
Chloride	ND	20.0							
LCS (2526009-BS1)					Prepared: 06/23/25 Analyzed: 06/23/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2526009-MS1)					Source: E506182-05		Prepared: 06/23/25 Analyzed: 06/23/25		
Chloride	400	20.0	250	143	103	80-120			
Matrix Spike Dup (2526009-MSD1)					Source: E506182-05		Prepared: 06/23/25 Analyzed: 06/23/25		
Chloride	372	20.0	250	143	91.7	80-120	7.32	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 TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/27/25 11:22

- 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.
- S5Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- T9DRO includes undifferentiated early eluting analytes characteristic of GRO.
- 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.

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Dagger State TB				Address: 3122 National Parks Hwy		E506182	23003-0002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1037	6/19/2025	S	1	BH01 - 0'		1								X				
1046	6/19/2025	S	1	BH01 - 0.5'		2								X				
1048	6/19/2025	S	1	BH01 - 1'		3								X				
1056	6/19/2025	S	1	BH01 - 3'		4								X				
1118	6/19/2025	S	1	BH02 - 0'		5								X				
1126	6/19/2025	S	1	BH02 - 0.5"		6								X				
1128	6/19/2025	S	1	BH02 - 1'		7								X				
1132	6/19/2025	S	1	BH02 - 2'		8								X				
1137	6/19/2025	S	1	BH02 - 4'		9								X				
1714	6/19/2025	S	1	BH02 - 6'		10								X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Jarad McCauley																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (Y/N)		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time							
Relinquished by: (Signature)		Date	Time	Received 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.																		

Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Dagger State TB				Address: 3122 National Parks Hwy		E000187	23068007				X	X								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information						Analysis and Method						EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1729	6/19/2025	S	1	BH02 - 8'		11								X			5.1			
1331	6/19/2025	S	1	BH03 - 0'		12								X			5.2			
1334	6/19/2025	S	1	BH03 - 0.5'		13								X			5.1			
1337	6/19/2025	S	1	BH03 - 1'		14								X			4.5			
1344	6/19/2025	S	1	BH03 - 3'		15								X			4.3			
1701	6/19/2025	S	1	BH03 - 5'		16								X			4.5			
1809	6/19/2025	S	1	BH03 - 7'		17								X			5.1			
1353	6/19/2025	S	1	BH04 - 0'		18								X			4.9			
1357	6/19/2025	S	1	BH04 - 0.5'		19								X			4.6			
1407	6/19/2025	S	1	BH04 - 1'		20								X			4.8			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Jarad McCauley																				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 6/23/2025 11:57:48AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client:	Matador Resources, LLC.	Date Received:	06/23/25 06:45	Work Order ID:	E506182
Phone:	(972) 371-5200	Date Logged In:	06/20/25 13:36	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/27/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Courier**Comments/Resolution**

Project Dagger State TB has been separated into 2 reports. WOs are E506182 & E506183.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Chain of Custody

Page 1 of 4

Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Dagger State TB				Address: 3122 National Parks Hwy		E5000182	23003-0002				X	X								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information							Analysis and Method					EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	86DOC - NM	86DOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1037	6/19/2025	S	1	BH01 - 0'		1								X			5.0			Corrected sample
1046	6/19/2025	S	1	BH01 - 0.5'		2								X			4.7			depth
1048	6/19/2025	S	1	BH01 - 1'		3								X			4.5			per client.
1056	6/19/2025	S	1	BH01 - 3'		4								X			4.0			NS 6-24-25
1118	6/19/2025	S	1	BH02 - 0'		5								X			4.2			
1126	6/19/2025	S	1	BH02 - 0.5' NS 6-24-25		6								X			4.3			
1128	6/19/2025	S	1	BH02 - 1'		7								X			4.5			
1132	6/19/2025	S	1	BH02 - 2'		8								X			4.7			
1137	6/19/2025	S	1	BH02 - 4'		9								X			4.9			
1714	6/19/2025	S	1	BH02 - 6'		10								X			5.0			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ithinkle@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Jarad McCauley																				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

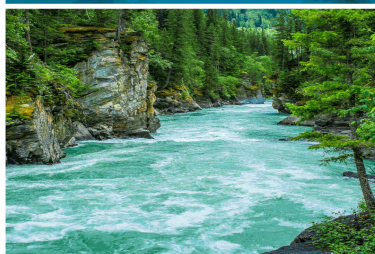


Chain of Custody

Page 2 of 4

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#		Job Number				1D 2D 3D Std							
Project Name: Dagger State TB				Address: 3122 National Parks Hwy		E506187		230680007				X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								NM CO UT TX							
Address: 3122 National Parks Hwy				Phone: 575-988-0055								X							
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1729	6/19/2025	S	1	BH02 - 8'		11								X					
1331	6/19/2025	S	1	BH03 - 0'		12								X					
1334	6/19/2025	S	1	BH03 - 0.5'		13								X					
1337	6/19/2025	S	1	BH03 - 1'		14								X					
1344	6/19/2025	S	1	BH03 - 3'		15								X					
1701	6/19/2025	S	1	BH03 - 5'		16								X					
1809	6/19/2025	S	1	BH03 - 7'		17								X					
1353	6/19/2025	S	1	BH04 - 0'		18								X					
1357	6/19/2025	S	1	BH04 - 0.5'		19								X					
1407	6/19/2025	S	1	BH04 - 1'		20								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Jarad McCauley																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E506183

Job Number: 23003-0002

Received: 6/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/27/25

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

Date Reported: 6/27/25

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



Project Name: Dagger State TB
Workorder: E506183
Date Received: 6/23/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2025 6:45:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/27/25 13:41
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04-2'	E506183-01A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH04-4'	E506183-02A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH04-6'	E506183-03A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH04-8'	E506183-04A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH05-0'	E506183-05A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH05-0.5'	E506183-06A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH05-1'	E506183-07A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH05-3'	E506183-08A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH05-5'	E506183-09A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH06-0'	E506183-10A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH06-0.5'	E506183-11A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH06-1'	E506183-12A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH06-2'	E506183-13A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH06-4'	E506183-14A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.
BH06-6'	E506183-15A	Soil	06/19/25	06/23/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH04-2'

E506183-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Benzene	ND	0.250	10	06/20/25	06/25/25	
Ethylbenzene	7.67	0.250	10	06/20/25	06/25/25	
Toluene	8.74	0.250	10	06/20/25	06/25/25	
o-Xylene	11.2	0.250	10	06/20/25	06/25/25	
p,m-Xylene	30.5	0.500	10	06/20/25	06/25/25	
Total Xylenes	41.7	0.250	10	06/20/25	06/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	06/20/25	06/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Gasoline Range Organics (C6-C10)	566	200	10	06/20/25	06/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		112 %	70-130	06/20/25	06/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526028	
Diesel Range Organics (C10-C28)	10500	500	20	06/23/25	06/25/25	T9
Oil Range Organics (C28-C36)	3710	1000	20	06/23/25	06/25/25	
<i>Surrogate: n-Nonane</i>						
		347 %	61-141	06/23/25	06/25/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526010	
Chloride	ND	20.0	1	06/24/25	06/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/27/2025 1:41:14PM
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BH04-4'

E506183-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Benzene	ND	0.0250	1	06/20/25	06/25/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/25/25	
Toluene	ND	0.0250	1	06/20/25	06/25/25	
o-Xylene	ND	0.0250	1	06/20/25	06/25/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/25/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	06/20/25	06/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	06/20/25	06/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526028	
Diesel Range Organics (C10-C28)	49.7	25.0	1	06/23/25	06/25/25	
Oil Range Organics (C28-C36)	58.9	50.0	1	06/23/25	06/25/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	06/23/25	06/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526010	
Chloride	ND	20.0	1	06/24/25	06/24/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH04-6'

E506183-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.6 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	109 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526028	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	82.4	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	92.1 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526010	
Chloride	ND	20.0	1	06/24/25	06/24/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH04-8'

E506183-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	108 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526028	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	56.3	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	93.9 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526010	
Chloride	ND	20.0	1	06/24/25	06/24/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH05-0'

E506183-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Benzene	0.0651	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	2.03	0.0250	1	06/20/25	06/24/25	
Toluene	1.55	0.0250	1	06/20/25	06/24/25	
o-Xylene	2.35	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	6.07	0.0500	1	06/20/25	06/24/25	
Total Xylenes	8.42	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Gasoline Range Organics (C6-C10)	163	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		121 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2526028
Diesel Range Organics (C10-C28)	4340	25.0	1	06/23/25	06/25/25	T9
Oil Range Organics (C28-C36)	1260	50.0	1	06/23/25	06/25/25	
<i>Surrogate: n-Nonane</i>						
		140 %	61-141	06/23/25	06/25/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2526010
Chloride	ND	20.0	1	06/24/25	06/24/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH05-0.5'

E506183-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2526028
Diesel Range Organics (C10-C28)	56.9	25.0	1	06/23/25	06/26/25	
Oil Range Organics (C28-C36)	53.2	50.0	1	06/23/25	06/26/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	06/23/25	06/26/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2526010
Chloride	ND	20.0	1	06/24/25	06/24/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH05-1'

E506183-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526028	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	53.9	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>		97.8 %	61-141	06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526010	
Chloride	ND	20.0	1	06/24/25	06/24/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH05-3'

E506183-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2526028
Diesel Range Organics (C10-C28)	52.1	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	67.2	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
		97.2 %	61-141	06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2526010
Chloride	65.5	20.0	1	06/24/25	06/24/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH05-5'

E506183-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2526028
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
	95.7 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2526010
Chloride	197	20.0	1	06/24/25	06/24/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH06-0'

E506183-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Benzene	0.0760	0.0500	2	06/20/25	06/25/25	
Ethylbenzene	2.72	0.0500	2	06/20/25	06/25/25	
Toluene	2.53	0.0500	2	06/20/25	06/25/25	
o-Xylene	3.26	0.0500	2	06/20/25	06/25/25	
p,m-Xylene	7.91	0.100	2	06/20/25	06/25/25	
Total Xylenes	11.2	0.0500	2	06/20/25	06/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	06/20/25	06/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Gasoline Range Organics (C6-C10)	130	40.0	2	06/20/25	06/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		110 %	70-130	06/20/25	06/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2526028
Diesel Range Organics (C10-C28)	3700	25.0	1	06/23/25	06/24/25	T9
Oil Range Organics (C28-C36)	1280	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
		142 %	61-141	06/23/25	06/24/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2526010
Chloride	ND	20.0	1	06/24/25	06/24/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH06-0.5'

E506183-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Benzene	ND	0.0500	2	06/20/25	06/25/25	
Ethylbenzene	0.622	0.0500	2	06/20/25	06/25/25	
Toluene	0.374	0.0500	2	06/20/25	06/25/25	
o-Xylene	0.882	0.0500	2	06/20/25	06/25/25	
p,m-Xylene	2.10	0.100	2	06/20/25	06/25/25	
Total Xylenes	2.98	0.0500	2	06/20/25	06/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	06/20/25	06/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Gasoline Range Organics (C6-C10)	53.4	40.0	2	06/20/25	06/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	06/20/25	06/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2526028
Diesel Range Organics (C10-C28)	1920	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	725	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
		115 %	61-141	06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2526010
Chloride	ND	20.0	1	06/24/25	06/24/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH06-1'

E506183-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2526028
Diesel Range Organics (C10-C28)	90.6	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	99.8	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
		100 %	61-141	06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2526010
Chloride	ND	20.0	1	06/24/25	06/25/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH06-2'

E506183-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526028	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	52.9	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	06/23/25	06/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526010	
Chloride	ND	20.0	1	06/24/25	06/25/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH06-4'

E506183-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.4 %</i>	<i>70-130</i>		<i>06/20/25</i>	<i>06/24/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2525114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>107 %</i>	<i>70-130</i>		<i>06/20/25</i>	<i>06/24/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2526028	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>	<i>95.0 %</i>	<i>61-141</i>		<i>06/23/25</i>	<i>06/24/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2526010	
Chloride	43.4	20.0	1	06/24/25	06/25/25	



Sample Data

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

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

Reported:
6/27/2025 1:41:14PM

BH06-6'

E506183-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Benzene	ND	0.0250	1	06/20/25	06/24/25	
Ethylbenzene	ND	0.0250	1	06/20/25	06/24/25	
Toluene	ND	0.0250	1	06/20/25	06/24/25	
o-Xylene	ND	0.0250	1	06/20/25	06/24/25	
p,m-Xylene	ND	0.0500	1	06/20/25	06/24/25	
Total Xylenes	ND	0.0250	1	06/20/25	06/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2525114
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/25	06/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		06/20/25	06/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2526028
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/25	06/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/25	06/24/25	
<i>Surrogate: n-Nonane</i>						
	96.9 %	61-141		06/23/25	06/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2526010
Chloride	246	20.0	1	06/24/25	06/25/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/27/2025 1:41:14PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2525114-BLK1)

Prepared: 06/20/25 Analyzed: 06/23/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			

LCS (2525114-BS1)

Prepared: 06/20/25 Analyzed: 06/24/25

Benzene	5.47	0.0250	5.00		109	70-130			
Ethylbenzene	5.45	0.0250	5.00		109	70-130			
Toluene	5.45	0.0250	5.00		109	70-130			
o-Xylene	5.41	0.0250	5.00		108	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.2	70-130			

Matrix Spike (2525114-MS1)

Source: E506183-06 Prepared: 06/20/25 Analyzed: 06/24/25

Benzene	5.14	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130			
Toluene	5.13	0.0250	5.00	ND	103	70-130			
o-Xylene	5.09	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

Matrix Spike Dup (2525114-MSD1)

Source: E506183-06 Prepared: 06/20/25 Analyzed: 06/24/25

Benzene	5.51	0.0250	5.00	ND	110	70-130	7.04	27	
Ethylbenzene	5.48	0.0250	5.00	ND	110	70-130	7.03	26	
Toluene	5.49	0.0250	5.00	ND	110	70-130	6.82	20	
o-Xylene	5.46	0.0250	5.00	ND	109	70-130	7.12	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	6.82	23	
Total Xylenes	16.6	0.0250	15.0	ND	110	70-130	6.92	26	
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/27/2025 1:41:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2525114-BLK1)					Prepared: 06/20/25 Analyzed: 06/23/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.14		8.00		102	70-130			
LCS (2525114-BS2)					Prepared: 06/20/25 Analyzed: 06/24/25				
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.12		8.00		101	70-130			
Matrix Spike (2525114-MS2)					Source: E506183-06		Prepared: 06/20/25 Analyzed: 06/24/25		
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.83		8.00		110	70-130			
Matrix Spike Dup (2525114-MSD2)					Source: E506183-06		Prepared: 06/20/25 Analyzed: 06/24/25		
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130	5.11	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.58		8.00		107	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/27/2025 1:41:14PM

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 (2526028-BLK1)					Prepared: 06/23/25 Analyzed: 06/24/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.8		50.0		99.6	61-141			

LCS (2526028-BS1)					Prepared: 06/23/25 Analyzed: 06/24/25				
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	47.4		50.0		94.7	61-141			S5

Matrix Spike (2526028-MS1)					Source: E506183-05		Prepared: 06/23/25 Analyzed: 06/25/25		
Diesel Range Organics (C10-C28)	4780	25.0	250	4340	178	56-156			M4
Surrogate: n-Nonane	76.0		50.0		152	61-141			S5

Matrix Spike Dup (2526028-MSD1)					Source: E506183-05		Prepared: 06/23/25 Analyzed: 06/25/25		
Diesel Range Organics (C10-C28)	5360	25.0	250	4340	410	56-156	11.4	20	M4
Surrogate: n-Nonane	75.0		50.0		150	61-141			S5



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/27/2025 1:41:14PM
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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 (2526010-BLK1)					Prepared: 06/24/25 Analyzed: 06/24/25				
Chloride	ND	20.0							
LCS (2526010-BS1)					Prepared: 06/24/25 Analyzed: 06/24/25				
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2526010-MS1)					Source: E506183-02		Prepared: 06/24/25 Analyzed: 06/24/25		
Chloride	268	20.0	250	ND	107	80-120			
Matrix Spike Dup (2526010-MSD1)					Source: E506183-02		Prepared: 06/24/25 Analyzed: 06/24/25		
Chloride	270	20.0	250	ND	108	80-120	0.821	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 TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/27/25 13:41

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Dagger State TB				Address: 3122 National Parks Hwy		E500183	23003 0002				X	X								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information						Analysis and Method						EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1409	6/19/2025	S	1	BH04 - 2'		1								X			4.3			
1417	6/19/2025	S	1	BH04 - 4'		2								X			4.2			
1700	6/19/2025	S	1	BH04 - 6'		3								X			5.1			
1707	6/19/2025	S	1	BH04 - 8'		4								X			5.0			
1424	6/19/2025	S	1	BH05 - 0'		5								X			4.8			
1427	6/19/2025	S	1	BH05 - 0.5'		6								X			4.9			
1430	6/19/2025	S	1	BH05 - 1'		7								X			5.1			
1519	6/19/2025	S	1	BH05 - 3'		8								X			5.0			
1827	6/19/2025	S	1	BH05 - 5'		9								X			4.8			
1546	6/19/2025	S	1	BH06 - 0'		10								X			4.0			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Jarad McCauley																				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 6/23/2025 11:59:11AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/23/25 06:45	Work Order ID:	E506183
Phone:	(972) 371-5200	Date Logged In:	06/20/25 13:40	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/27/25 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/Resolution

Project Dagger State TB has been separated into 2 reports. WOs are E506182 & E506183.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

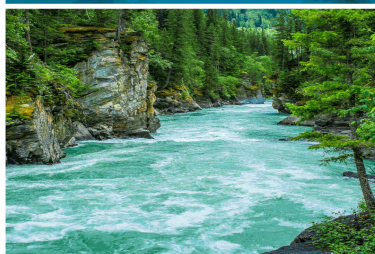
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E507284

Job Number: 23003-0002

Received: 7/24/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/30/25

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

Date Reported: 7/30/25

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



Project Name: Dagger State TB
Workorder: E507284
Date Received: 7/24/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/24/2025 8:00:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/30/25 12:31
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07-0'	E507284-01A	Soil	07/22/25	07/24/25	Glass Jar, 2 oz.
BH07-1'	E507284-02A	Soil	07/22/25	07/24/25	Glass Jar, 2 oz.
BH07-2'	E507284-03A	Soil	07/22/25	07/24/25	Glass Jar, 2 oz.
BH09-0'	E507284-04A	Soil	07/22/25	07/24/25	Glass Jar, 2 oz.
BH09-1'	E507284-05A	Soil	07/22/25	07/24/25	Glass Jar, 2 oz.
BH09-2'	E507284-06A	Soil	07/22/25	07/24/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
7/30/2025 12:31:29PM

BH07-0'

E507284-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2530160	
Benzene	ND	0.0250	1	07/25/25	07/28/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/28/25	
Toluene	ND	0.0250	1	07/25/25	07/28/25	
o-Xylene	ND	0.0250	1	07/25/25	07/28/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/28/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		07/25/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2530160	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.5 %	70-130		07/25/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2531047	
Diesel Range Organics (C10-C28)	119	25.0	1	07/29/25	07/29/25	
Oil Range Organics (C28-C36)	151	50.0	1	07/29/25	07/29/25	
<i>Surrogate: n-Nonane</i>	100 %	61-141		07/29/25	07/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2531028	
Chloride	117	20.0	1	07/28/25	07/28/25	



Sample Data

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

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

Reported:
7/30/2025 12:31:29PM

BH07-1'

E507284-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2530160	
Benzene	ND	0.0250	1	07/25/25	07/28/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/28/25	
Toluene	ND	0.0250	1	07/25/25	07/28/25	
o-Xylene	ND	0.0250	1	07/25/25	07/28/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/28/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		07/25/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2530160	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		07/25/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2531047	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/29/25	
<i>Surrogate: n-Nonane</i>						
	95.8 %	61-141		07/29/25	07/29/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2531028	
Chloride	69.8	20.0	1	07/28/25	07/28/25	



Sample Data

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

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

Reported:
7/30/2025 12:31:29PM

BH09-0'

E507284-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2530160	
Benzene	ND	0.0250	1	07/25/25	07/28/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/28/25	
Toluene	ND	0.0250	1	07/25/25	07/28/25	
o-Xylene	ND	0.0250	1	07/25/25	07/28/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/28/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.4 %	70-130		07/25/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2530160	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.9 %	70-130		07/25/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2531047	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/29/25	
<i>Surrogate: n-Nonane</i>	108 %	61-141		07/29/25	07/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2531028	
Chloride	ND	20.0	1	07/28/25	07/28/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/30/2025 12:31:29PM

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 (2530160-BLK1)

Prepared: 07/25/25 Analyzed: 07/28/25

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	7.99		8.00		99.9	70-130			

LCS (2530160-BS1)

Prepared: 07/25/25 Analyzed: 07/28/25

Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.82	0.0250	5.00		96.5	70-130			
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130			
Total Xylenes	14.7	0.0250	15.0		98.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

Matrix Spike (2530160-MS1)

Source: E507285-02

Prepared: 07/25/25 Analyzed: 07/28/25

Benzene	5.34	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.16	0.0250	5.00	ND	103	70-130			
Toluene	5.27	0.0250	5.00	ND	105	70-130			
o-Xylene	5.06	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			

Matrix Spike Dup (2530160-MSD1)

Source: E507285-02

Prepared: 07/25/25 Analyzed: 07/28/25

Benzene	5.45	0.0250	5.00	ND	109	70-130	2.01	27	
Ethylbenzene	5.28	0.0250	5.00	ND	106	70-130	2.37	26	
Toluene	5.39	0.0250	5.00	ND	108	70-130	2.12	20	
o-Xylene	5.18	0.0250	5.00	ND	104	70-130	2.27	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	2.33	23	
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130	2.31	26	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/30/2025 12:31:29PM

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 (2530160-BLK1) Prepared: 07/25/25 Analyzed: 07/28/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

LCS (2530160-BS2) Prepared: 07/25/25 Analyzed: 07/28/25

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.2	70-130			

Matrix Spike (2530160-MS2) Source: E507285-02 Prepared: 07/25/25 Analyzed: 07/28/25

Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

Matrix Spike Dup (2530160-MSD2) Source: E507285-02 Prepared: 07/25/25 Analyzed: 07/28/25

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130	2.83	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/30/2025 12:31:29PM

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 (2531047-BLK1)					Prepared: 07/29/25 Analyzed: 07/29/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.6		50.0		95.2	61-141			

LCS (2531047-BS1)					Prepared: 07/29/25 Analyzed: 07/29/25				
Diesel Range Organics (C10-C28)	280	25.0	250		112	66-144			
Surrogate: n-Nonane	48.6		50.0		97.2	61-141			

Matrix Spike (2531047-MS1)					Source: E507284-05		Prepared: 07/29/25 Analyzed: 07/29/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	49.3		50.0		98.7	61-141			

Matrix Spike Dup (2531047-MSD1)					Source: E507284-05		Prepared: 07/29/25 Analyzed: 07/29/25		
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	56-156	0.254	20	
Surrogate: n-Nonane	49.3		50.0		98.6	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/30/2025 12:31:29PM
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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 (2531028-BLK1)					Prepared: 07/28/25 Analyzed: 07/28/25				
Chloride	ND	20.0							
LCS (2531028-BS1)					Prepared: 07/28/25 Analyzed: 07/28/25				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2531028-MS1)					Source: E507279-06		Prepared: 07/28/25 Analyzed: 07/28/25		
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2531028-MSD1)					Source: E507279-06		Prepared: 07/28/25 Analyzed: 07/28/25		
Chloride	259	20.0	250	ND	104	80-120	0.180	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/30/25 12:31

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E507284		Job Number 2303-002		1D	2D	3D	Std					
Project Name: Dagger State TB				Address: 3122 National Parks Hwy														
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1226	7/22/2025	S	1	BH07 - 0'		1								X		2.7		
1230	7/22/2025	S	1	BH07 - 1'		2								X		2.9		Run BH07 - 2' ONLY IF >100 TPH OR >600 CL
1233	7/22/2025	S	1	BH07 - 2'		3								X		2.6		Run ONLY IF BH07 - 1' >100 TPH OR >600 CL
1050	7/22/2025	S	1	BH09 - 0'		4								X		3.2		
1137	7/22/2025	S	1	BH09 - 1'		5								X		1.8		Run BH09 - 2' ONLY IF >100 TPH OR >600 CL
1140	7/22/2025	S	1	BH09 - 2'		6								X		2.9		Run ONLY IF BH09 - 1' >100 TPH OR >600 CL
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalezz@ensolum.com, jhinkle@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Jarad McCauley																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Envirotech Analytical Laboratory

Printed: 7/24/2025 9:37:49AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	07/24/25 08:00	Work Order ID:	E507284
Phone:	(972) 371-5200	Date Logged In:	07/23/25 14:59	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/30/25 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: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Client Remarks-Sample -2 Run BH07-2
Only if >100 TPH or >600 CL. Sample-3
Run Only if BH07-1 is >100 TPH or >600
CL. Sample -5 Run BH09-2 Only if >100
TPH or >600 CL. Sample-6 Run Only if
BH09-1 >100 Tph or >600 CL.

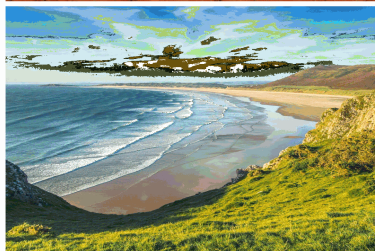
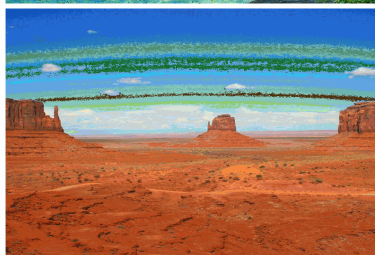
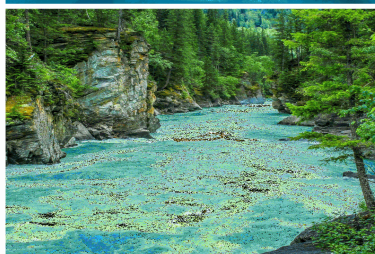
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E507299

Job Number: 23003-0002

Received: 7/25/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/31/25

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

Date Reported: 7/31/25

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



Project Name: Dagger State TB
Workorder: E507299
Date Received: 7/25/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/25/2025 7:45:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/31/25 09:28
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08-0'	E507299-01A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.
BH08-1'	E507299-02A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.
BH08-2'	E507299-03A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.
SS16-0'	E507299-04A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.
SS16-1'	E507299-05A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.
SS17-0'	E507299-06A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.
SS17-1'	E507299-07A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.
SS18-0'	E507299-08A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.
SS18-1'	E507299-09A	Soil	07/23/25	07/25/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
7/31/2025 9:28:54AM

BH08-0'

E507299-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Benzene	ND	0.0250	1	07/25/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/27/25	
Toluene	ND	0.0250	1	07/25/25	07/27/25	
o-Xylene	ND	0.0250	1	07/25/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.7 %	70-130	07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2531054	
Diesel Range Organics (C10-C28)	3510	25.0	1	07/29/25	07/30/25	
Oil Range Organics (C28-C36)	2180	50.0	1	07/29/25	07/30/25	
<i>Surrogate: n-Nonane</i>		92.3 %	61-141	07/29/25	07/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531043	
Chloride	324	20.0	1	07/29/25	07/29/25	



Sample Data

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

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

Reported:
7/31/2025 9:28:54AM

BH08-1'

E507299-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Benzene	ND	0.0250	1	07/25/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/27/25	
Toluene	ND	0.0250	1	07/25/25	07/27/25	
o-Xylene	ND	0.0250	1	07/25/25	07/27/25	
p,m-Xylene	0.0509	0.0500	1	07/25/25	07/27/25	
Total Xylenes	0.0509	0.0250	1	07/25/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2531054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/30/25	
<i>Surrogate: n-Nonane</i>		92.8 %	61-141	07/29/25	07/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531043	
Chloride	185	20.0	1	07/29/25	07/29/25	



Sample Data

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

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

Reported:
7/31/2025 9:28:54AM

SS16-0'

E507299-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2530156
Benzene	ND	0.0250	1	07/25/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/27/25	
Toluene	ND	0.0250	1	07/25/25	07/27/25	
o-Xylene	ND	0.0250	1	07/25/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/27/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2530156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531054
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/30/25	
Surrogate: n-Nonane		91.2 %	61-141	07/29/25	07/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2531043
Chloride	ND	20.0	1	07/29/25	07/29/25	



Sample Data

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

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

Reported:
7/31/2025 9:28:54AM

SS16-1'

E507299-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2530156
Benzene	ND	0.0250	1	07/25/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/27/25	
Toluene	ND	0.0250	1	07/25/25	07/27/25	
o-Xylene	ND	0.0250	1	07/25/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2530156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531054
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/30/25	
<i>Surrogate: n-Nonane</i>						
	91.6 %	61-141		07/29/25	07/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2531043
Chloride	ND	20.0	1	07/29/25	07/29/25	



Sample Data

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

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

Reported:
7/31/2025 9:28:54AM

SS17-0'

E507299-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Benzene	ND	0.0250	1	07/25/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/27/25	
Toluene	ND	0.0250	1	07/25/25	07/27/25	
o-Xylene	ND	0.0250	1	07/25/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	70-130		07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.9 %	70-130		07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2531054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/30/25	
<i>Surrogate: n-Nonane</i>	88.9 %	61-141		07/29/25	07/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531043	
Chloride	283	20.0	1	07/29/25	07/29/25	



Sample Data

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

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

Reported:
7/31/2025 9:28:54AM

SS17-1'

E507299-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Benzene	ND	0.0250	1	07/25/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/27/25	
Toluene	ND	0.0250	1	07/25/25	07/27/25	
o-Xylene	ND	0.0250	1	07/25/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2531054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/30/25	
<i>Surrogate: n-Nonane</i>						
	92.0 %	61-141		07/29/25	07/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2531043	
Chloride	27.3	20.0	1	07/29/25	07/29/25	



Sample Data

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

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

Reported:
7/31/2025 9:28:54AM

SS18-0'

E507299-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Benzene	ND	0.0250	1	07/25/25	07/28/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/28/25	
Toluene	ND	0.0250	1	07/25/25	07/28/25	
o-Xylene	ND	0.0250	1	07/25/25	07/28/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/28/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.8 %	70-130	07/25/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	07/25/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2531054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/30/25	
<i>Surrogate: n-Nonane</i>		92.0 %	61-141	07/29/25	07/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531043	
Chloride	45.6	20.0	1	07/29/25	07/29/25	



Sample Data

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

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

Reported:
7/31/2025 9:28:54AM

SS18-1'

E507299-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Benzene	ND	0.0250	1	07/25/25	07/28/25	
Ethylbenzene	ND	0.0250	1	07/25/25	07/28/25	
Toluene	ND	0.0250	1	07/25/25	07/28/25	
o-Xylene	ND	0.0250	1	07/25/25	07/28/25	
p,m-Xylene	ND	0.0500	1	07/25/25	07/28/25	
Total Xylenes	ND	0.0250	1	07/25/25	07/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.0 %	70-130		07/25/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2530156	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/25	07/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	104 %	70-130		07/25/25	07/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2531054	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/29/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/29/25	07/30/25	
<i>Surrogate: n-Nonane</i>	91.0 %	61-141		07/29/25	07/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531043	
Chloride	ND	20.0	1	07/29/25	07/29/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/31/2025 9:28:54AM

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 (2530156-BLK1)

Prepared: 07/25/25 Analyzed: 07/27/25

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	7.76		8.00		97.0	70-130			

LCS (2530156-BS1)

Prepared: 07/25/25 Analyzed: 07/27/25

Benzene	5.33	0.0250	5.00		107	70-130			
Ethylbenzene	5.25	0.0250	5.00		105	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

Matrix Spike (2530156-MS1)

Source: E507277-06

Prepared: 07/25/25 Analyzed: 07/27/25

Benzene	5.31	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.26	0.0250	5.00	ND	105	70-130			
Toluene	5.28	0.0250	5.00	ND	106	70-130			
o-Xylene	5.24	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2530156-MSD1)

Source: E507277-06

Prepared: 07/25/25 Analyzed: 07/27/25

Benzene	5.04	0.0250	5.00	ND	101	70-130	5.17	27	
Ethylbenzene	5.02	0.0250	5.00	ND	100	70-130	4.66	26	
Toluene	5.03	0.0250	5.00	ND	101	70-130	4.92	20	
o-Xylene	5.00	0.0250	5.00	ND	100	70-130	4.65	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	4.60	23	
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130	4.62	26	
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/31/2025 9:28:54AM

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 (2530156-BLK1) Prepared: 07/25/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			

LCS (2530156-BS2) Prepared: 07/25/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	57.3	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			

Matrix Spike (2530156-MS2) Source: E507277-06 Prepared: 07/25/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130			

Matrix Spike Dup (2530156-MSD2) Source: E507277-06 Prepared: 07/25/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	2.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.7	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/31/2025 9:28:54AM
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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 (2531054-BLK1)

Prepared: 07/29/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.7		50.0		85.4	61-141			

LCS (2531054-BS1)

Prepared: 07/29/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	40.8		50.0		81.6	61-141			

Matrix Spike (2531054-MS1)

Source: E507299-03

Prepared: 07/29/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	45.1		50.0		90.2	61-141			

Matrix Spike Dup (2531054-MSD1)

Source: E507299-03

Prepared: 07/29/25 Analyzed: 07/29/25

Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156	2.41	20	
Surrogate: n-Nonane	46.1		50.0		92.2	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/31/2025 9:28:54AM
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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 (2531043-BLK1)					Prepared: 07/29/25 Analyzed: 07/29/25				
Chloride	ND	20.0							
LCS (2531043-BS1)					Prepared: 07/29/25 Analyzed: 07/29/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2531043-MS1)					Source: E507324-02		Prepared: 07/29/25 Analyzed: 07/29/25		
Chloride	256	20.0	250	ND	103	80-120			
Matrix Spike Dup (2531043-MSD1)					Source: E507324-02		Prepared: 07/29/25 Analyzed: 07/29/25		
Chloride	256	20.0	250	ND	102	80-120	0.242	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 TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/31/25 09:28

- 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.



Envirotech Analytical Laboratory

Printed: 7/25/2025 11:26:18AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	07/25/25 07:45	Work Order ID:	E507299
Phone:	(972) 371-5200	Date Logged In:	07/24/25 15:37	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/31/25 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: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Client remarks- Sample 2- Run BH08-2 only if >100TPH or >600 CL.
Sample 3- Run only is BH08-1 is >100 TPH or >600 CL.

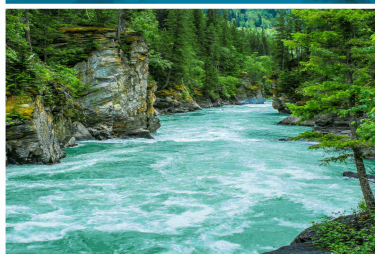
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E507337

Job Number: 23003-0002

Received: 7/30/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/5/25

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

Date Reported: 8/5/25

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



Project Name: Dagger State TB
Workorder: E507337
Date Received: 7/30/2025 8:00:00AM

Ashley Giovengo,

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

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/05/25 13:20
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01A-0'	E507337-01A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
SS02A-0'	E507337-02A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
SS03A-0'	E507337-03A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
SS05A-0'	E507337-04A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
SS07A-0'	E507337-05A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
SS08A-0'	E507337-06A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
SS09A-0'	E507337-07A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
SS11A-0'	E507337-08A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
FS08-1'	E507337-09A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
FS13-1'	E507337-10A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.
FS16-1'	E507337-11A	Soil	07/28/25	07/30/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
8/5/2025 1:20:21PM

SS01A-0'

E507337-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531141	
Diesel Range Organics (C10-C28)	42.4	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	73.6	50.0	1	07/31/25	08/01/25	
<i>Surrogate: n-Nonane</i>		88.2 %	61-141	07/31/25	08/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531126	
Chloride	325	20.0	1	07/31/25	07/31/25	



Sample Data

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

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

Reported:
8/5/2025 1:20:21PM

SS02A-0'

E507337-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.6 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531141	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/01/25	
<i>Surrogate: n-Nonane</i>		88.0 %	61-141	07/31/25	08/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531126	
Chloride	527	20.0	1	07/31/25	07/31/25	



Sample Data

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

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

Reported:
8/5/2025 1:20:21PM

SS03A-0'

E507337-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.3 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531141	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	08/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/01/25	
<i>Surrogate: n-Nonane</i>		88.7 %	61-141	07/31/25	08/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531126	
Chloride	130	20.0	1	07/31/25	07/31/25	



Sample Data

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

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

Reported:
8/5/2025 1:20:21PM

SS05A-0'

E507337-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.2 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2531141	
Diesel Range Organics (C10-C28)	101	25.0	1	07/31/25	08/02/25	
Oil Range Organics (C28-C36)	63.7	50.0	1	07/31/25	08/02/25	
<i>Surrogate: n-Nonane</i>						
		89.7 %	61-141	07/31/25	08/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2531126	
Chloride	ND	20.0	1	07/31/25	07/31/25	



Sample Data

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

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

Reported:
8/5/2025 1:20:21PM

SS07A-0'

E507337-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2531088
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2531088
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.4 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2531141
Diesel Range Organics (C10-C28)	51.3	25.0	1	07/31/25	08/02/25	
Oil Range Organics (C28-C36)	51.6	50.0	1	07/31/25	08/02/25	
<i>Surrogate: n-Nonane</i>						
		87.4 %	61-141	07/31/25	08/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2531126
Chloride	ND	20.0	1	07/31/25	07/31/25	



Sample Data

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

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

Reported:
8/5/2025 1:20:21PM

SS08A-0'

E507337-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.3 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2531141	
Diesel Range Organics (C10-C28)	148	25.0	1	07/31/25	08/02/25	
Oil Range Organics (C28-C36)	159	50.0	1	07/31/25	08/02/25	
<i>Surrogate: n-Nonane</i>						
		88.8 %	61-141	07/31/25	08/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2531126	
Chloride	ND	20.0	1	07/31/25	07/31/25	



Sample Data

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name: Dagger State TB

Project Number: 23003-0002

Project Manager: Ashley Giovengo

Reported:

8/5/2025 1:20:21PM

SS09A-0'**E507337-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.9 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531141	
Diesel Range Organics (C10-C28)	27.0	25.0	1	07/31/25	08/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/02/25	
<i>Surrogate: n-Nonane</i>		89.4 %	61-141	07/31/25	08/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531126	
Chloride	ND	20.0	1	07/31/25	07/31/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/5/2025 1:20:21PM
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SS11A-0'

E507337-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.7 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531141	
Diesel Range Organics (C10-C28)	37.1	25.0	1	07/31/25	08/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/02/25	
<i>Surrogate: n-Nonane</i>		85.8 %	61-141	07/31/25	08/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531126	
Chloride	ND	20.0	1	07/31/25	07/31/25	



Sample Data

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

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

Reported:
8/5/2025 1:20:21PM

FS08-1'

E507337-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.4 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2531141	
Diesel Range Organics (C10-C28)	315	25.0	1	07/31/25	08/02/25	
Oil Range Organics (C28-C36)	130	50.0	1	07/31/25	08/02/25	
<i>Surrogate: n-Nonane</i>						
		87.9 %	61-141	07/31/25	08/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2531126	
Chloride	120	20.0	1	07/31/25	07/31/25	



Sample Data

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

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

Reported:
8/5/2025 1:20:21PM

FS13-1'

E507337-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2531088
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2531088
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.1 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2531141
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/25	08/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/02/25	
<i>Surrogate: n-Nonane</i>		90.8 %	61-141	07/31/25	08/02/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2531126
Chloride	152	20.0	1	07/31/25	07/31/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/5/2025 1:20:21PM
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FS16-1'

E507337-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2531088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.7 %	70-130	07/30/25	07/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531141	
Diesel Range Organics (C10-C28)	35.0	25.0	1	07/31/25	08/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/25	08/02/25	
<i>Surrogate: n-Nonane</i>		88.8 %	61-141	07/31/25	08/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531126	
Chloride	56.2	20.0	1	07/31/25	07/31/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/5/2025 1:20:21PM

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 (2531088-BLK1) Prepared: 07/30/25 Analyzed: 07/31/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.41		8.00		105	70-130			

LCS (2531088-BS1) Prepared: 07/30/25 Analyzed: 07/31/25

Benzene	5.45	0.0250	5.00		109	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.37	0.0250	5.00		107	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.34		8.00		104	70-130			

Matrix Spike (2531088-MS1) Source: E507327-05 Prepared: 07/30/25 Analyzed: 07/31/25

Benzene	5.21	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.02	0.0250	5.00	ND	100	70-130			
Toluene	5.13	0.0250	5.00	ND	103	70-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	70-130			
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.34		8.00		104	70-130			

Matrix Spike Dup (2531088-MSD1) Source: E507327-05 Prepared: 07/30/25 Analyzed: 07/31/25

Benzene	5.65	0.0250	5.00	ND	113	70-130	7.99	27	
Ethylbenzene	5.43	0.0250	5.00	ND	109	70-130	7.87	26	
Toluene	5.56	0.0250	5.00	ND	111	70-130	8.09	20	
o-Xylene	5.31	0.0250	5.00	ND	106	70-130	8.08	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	7.75	23	
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130	7.86	26	
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported: 8/5/2025 1:20:21PM
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531088-BLK1) Prepared: 07/30/25 Analyzed: 07/31/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

LCS (2531088-BS2) Prepared: 07/30/25 Analyzed: 07/31/25

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.3	70-130			

Matrix Spike (2531088-MS2) Source: E507327-05 Prepared: 07/30/25 Analyzed: 07/31/25

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130			

Matrix Spike Dup (2531088-MSD2) Source: E507327-05 Prepared: 07/30/25 Analyzed: 07/31/25

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	2.85	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/5/2025 1:20:21PM
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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 (2531141-BLK1)

Prepared: 07/31/25 Analyzed: 08/01/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.4		50.0		86.9	61-141			

LCS (2531141-BS1)

Prepared: 07/31/25 Analyzed: 08/01/25

Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	43.8		50.0		87.7	61-141			

Matrix Spike (2531141-MS1)

Source: E507337-09

Prepared: 07/31/25 Analyzed: 08/01/25

Diesel Range Organics (C10-C28)	559	25.0	250	315	97.7	56-156			
Surrogate: n-Nonane	45.3		50.0		90.6	61-141			

Matrix Spike Dup (2531141-MSD1)

Source: E507337-09

Prepared: 07/31/25 Analyzed: 08/01/25

Diesel Range Organics (C10-C28)	556	25.0	250	315	96.1	56-156	0.706	20	
Surrogate: n-Nonane	44.4		50.0		88.8	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/5/2025 1:20:21PM
---	---	-------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2531126-BLK1)					Prepared: 07/31/25 Analyzed: 07/31/25				
Chloride	ND	20.0							
LCS (2531126-BS1)					Prepared: 07/31/25 Analyzed: 07/31/25				
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2531126-MS1)					Source: E507337-02		Prepared: 07/31/25 Analyzed: 07/31/25		
Chloride	773	20.0	250	527	98.2	80-120			
Matrix Spike Dup (2531126-MSD1)					Source: E507337-02		Prepared: 07/31/25 Analyzed: 07/31/25		
Chloride	954	20.0	250	527	171	80-120	21.0	20	M1, R3

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 TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/05/25 13:20

- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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

Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#		1D 2D 3D Std				NM CO UT TX						
Project: Dagger State TB				Address: 3122 National Parks Hwy		E507337		Job Number				23003-0012						
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	
8:38	7/28/2025	S	1	SS01A-0'		1						X						
8:43	7/28/2025	S	1	SS02A-0'		2						X						
8:46	7/28/2025	S	1	SS03A-0'		3						X						
8:48	7/28/2025	S	1	SS05A-0'		4						X						
8:50	7/28/2025	S	1	SS07A-0'		5						X						
8:51	7/28/2025	S	1	SS08A-0'		6						X						
9:01	7/28/2025	S	1	SS09A-0'		7						X						
9:04	7/28/2025	S	1	SS11A-0'		8						X						
14:43	7/28/2025	S	1	FS08-1'		9						X						
14:48	7/28/2025	S	1	FS13-1'		10						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Aoubakar Kone																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Corrected
Sample depth
Per Client.
7/30/25 CM



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Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Dagger State TB				Address: 3122 National Parks Hwy		E507337		Job Number				23003-0002					
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
15:28	7/28/2025	S	1	FS16- <u>1</u>		11						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: <u>Aboubakar Kone</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____									
<u>Michelle Gonzales</u>		7/29/25	7:11	<u>Michelle Gonzales</u>		7-29-25	0711										
<u>Michelle Gonzales</u>		7-29-25	1400	<u>Marissa Gonzales</u>		7-29-25	1400										
<u>Marissa Gonzales</u>		7-29-25	1725	<u>John J.</u>		7-29-25	1730										
<u>John J.</u>		7-29-25	2130	<u>Cathy Mae</u>		7-30-25	800										
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 Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project: Dagger State TB				Address: 3122 National Parks Hwy		E507337	23003-0012				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	
8:38	7/28/2025	S	1	SS01A-0'		1						X						
8:43	7/28/2025	S	1	SS02A-0'		2						X						
8:46	7/28/2025	S	1	SS03A-0'		3						X						
8:48	7/28/2025	S	1	SS05A-0'		4						X						
8:50	7/28/2025	S	1	SS07A-0'		5						X						
8:51	7/28/2025	S	1	SS08A-0'		6						X						
9:01	7/28/2025	S	1	SS09A-0'		7						X						
9:04	7/28/2025	S	1	SS11A-0'		8						X						
14:43	7/28/2025	S	1	FS08-1'		9						X						
14:48	7/28/2025	S	1	FS13-1'		10						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Aoubakar Kone																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____ Container type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Michelle Gonzales		7/29/25		7:11		Michelle Gonzales		7-29-25		0711								
Michelle Gonzales		7-29-25		1400		Marissa Gonzales		7-29-25		1400								
Marissa Gonzales		7-29-25		1725		John J.		7-29-25		1730								
John J.		7-29-25		2130		Caitlin Mar		7-30-25		800								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



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Page 2 of 2

Released to Imaging: 9/12/2025 10:59:14 AM

Envirotech Analytical Laboratory

Printed: 7/30/2025 9:38:21AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	07/30/25 08:00	Work Order ID:	E507337
Phone:	(972) 371-5200	Date Logged In:	07/29/25 14:19	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/05/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

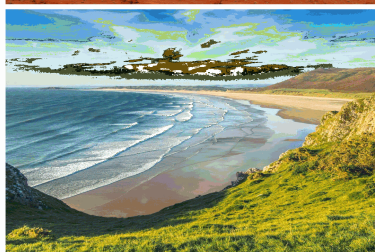
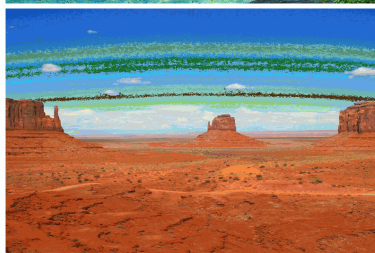
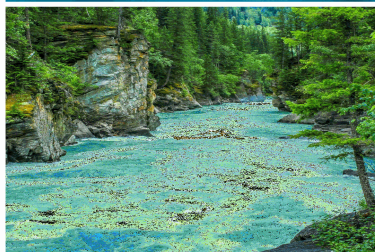
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E507348

Job Number: 23003-0002

Received: 7/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/6/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/6/25

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



Project Name: Dagger State TB
Workorder: E507348
Date Received: 7/31/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/31/2025 8:00:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/06/25 15:12
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS09-1'	E507348-01A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.
FS10-1'	E507348-02A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.
FS11-1'	E507348-03A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.
FS12-1'	E507348-04A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.
FS17-1'	E507348-05A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.
FS18-1'	E507348-06A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.
FS19-1'	E507348-07A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.
FS20-1'	E507348-08A	Soil	07/29/25	07/31/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
8/6/2025 3:12:06PM

FS09-1'

E507348-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531174	
Diesel Range Organics (C10-C28)	75.8	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
<i>Surrogate: n-Nonane</i>						
	91.5 %	61-141		08/01/25	08/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531160	
Chloride	363	20.0	1	08/01/25	08/01/25	



Sample Data

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

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

Reported:
8/6/2025 3:12:06PM

FS10-1'

E507348-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.6 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.9 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531174	
Diesel Range Organics (C10-C28)	483	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	269	50.0	1	08/01/25	08/04/25	
<i>Surrogate: n-Nonane</i>	93.2 %	61-141		08/01/25	08/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531160	
Chloride	120	20.0	1	08/01/25	08/02/25	



Sample Data

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

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

Reported:
8/6/2025 3:12:06PM

FS11-1'

E507348-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.3 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.1 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531174	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
<i>Surrogate: n-Nonane</i>	92.4 %	61-141		08/01/25	08/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531160	
Chloride	165	20.0	1	08/01/25	08/02/25	



Sample Data

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

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

Reported:
8/6/2025 3:12:06PM

FS12-1'

E507348-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531145
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531145
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2531174
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
<i>Surrogate: n-Nonane</i>						
	96.4 %	61-141		08/01/25	08/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2531160
Chloride	358	20.0	1	08/01/25	08/02/25	



Sample Data

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

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

Reported:
8/6/2025 3:12:06PM

FS17-1'

E507348-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.0 %	70-130	07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531174	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
<i>Surrogate: n-Nonane</i>		96.5 %	61-141	08/01/25	08/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531160	
Chloride	109	20.0	1	08/01/25	08/02/25	



Sample Data

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

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

Reported:
8/6/2025 3:12:06PM

FS18-1'

E507348-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.2 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.9 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531174	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
<i>Surrogate: n-Nonane</i>	92.6 %	61-141		08/01/25	08/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531160	
Chloride	233	20.0	1	08/01/25	08/02/25	



Sample Data

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

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

Reported:
8/6/2025 3:12:06PM

FS19-1'

E507348-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.2 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.3 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2531174	
Diesel Range Organics (C10-C28)	41.4	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
<i>Surrogate: n-Nonane</i>	95.2 %	61-141		08/01/25	08/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2531160	
Chloride	212	20.0	1	08/01/25	08/02/25	



Sample Data

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

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

Reported:
8/6/2025 3:12:06PM

FS20-1'

E507348-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Benzene	ND	0.0250	1	07/31/25	08/04/25	
Ethylbenzene	ND	0.0250	1	07/31/25	08/04/25	
Toluene	ND	0.0250	1	07/31/25	08/04/25	
o-Xylene	ND	0.0250	1	07/31/25	08/04/25	
p,m-Xylene	ND	0.0500	1	07/31/25	08/04/25	
Total Xylenes	ND	0.0250	1	07/31/25	08/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2531145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/25	08/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		07/31/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2531174	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
<i>Surrogate: n-Nonane</i>						
	95.7 %	61-141		08/01/25	08/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2531160	
Chloride	443	20.0	1	08/01/25	08/02/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:12:06PM

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 (2531145-BLK1)

Prepared: 07/31/25 Analyzed: 08/04/25

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	6.91		8.00		86.4	70-130			

LCS (2531145-BS1)

Prepared: 07/31/25 Analyzed: 08/04/25

Benzene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.25	0.0250	5.00		105	70-130			
Toluene	5.33	0.0250	5.00		107	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130			

Matrix Spike (2531145-MS1)

Source: E507347-04

Prepared: 07/31/25 Analyzed: 08/05/25

Benzene	4.37	0.0250	5.00	ND	87.4	70-130			
Ethylbenzene	4.42	0.0250	5.00	ND	88.5	70-130			
Toluene	4.45	0.0250	5.00	ND	89.0	70-130			
o-Xylene	4.49	0.0250	5.00	ND	89.9	70-130			
p,m-Xylene	8.97	0.0500	10.0	ND	89.7	70-130			
Total Xylenes	13.5	0.0250	15.0	ND	89.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			

Matrix Spike Dup (2531145-MSD1)

Source: E507347-04

Prepared: 07/31/25 Analyzed: 08/05/25

Benzene	4.51	0.0250	5.00	ND	90.1	70-130	3.12	27	
Ethylbenzene	4.55	0.0250	5.00	ND	91.0	70-130	2.80	26	
Toluene	4.59	0.0250	5.00	ND	91.8	70-130	3.08	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	70-130	3.19	25	
p,m-Xylene	9.26	0.0500	10.0	ND	92.6	70-130	3.16	23	
Total Xylenes	13.9	0.0250	15.0	ND	92.7	70-130	3.17	26	
Surrogate: 4-Bromochlorobenzene-PID	6.80		8.00		85.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:12:06PM

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 (2531145-BLK1) Prepared: 07/31/25 Analyzed: 08/04/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			

LCS (2531145-BS2) Prepared: 07/31/25 Analyzed: 08/04/25

Gasoline Range Organics (C6-C10)	53.8	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

Matrix Spike (2531145-MS2) Source: E507347-04 Prepared: 07/31/25 Analyzed: 08/04/25

Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			

Matrix Spike Dup (2531145-MSD2) Source: E507347-04 Prepared: 07/31/25 Analyzed: 08/05/25

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130	2.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/6/2025 3:12:06PM

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 (2531174-BLK1)					Prepared: 08/01/25 Analyzed: 08/04/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.8		50.0		91.6	61-141			

LCS (2531174-BS1)					Prepared: 08/01/25 Analyzed: 08/04/25				
Diesel Range Organics (C10-C28)	283	25.0	250		113	66-144			
Surrogate: n-Nonane	47.3		50.0		94.6	61-141			

Matrix Spike (2531174-MS1)					Source: E507350-07		Prepared: 08/01/25 Analyzed: 08/04/25		
Diesel Range Organics (C10-C28)	313	25.0	250	162	60.4	56-156			
Surrogate: n-Nonane	47.0		50.0		94.0	61-141			

Matrix Spike Dup (2531174-MSD1)					Source: E507350-07		Prepared: 08/01/25 Analyzed: 08/04/25		
Diesel Range Organics (C10-C28)	326	25.0	250	162	65.9	56-156	4.31	20	
Surrogate: n-Nonane	51.0		50.0		102	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/6/2025 3:12:06PM
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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 (2531160-BLK1)					Prepared: 08/01/25 Analyzed: 08/01/25				
Chloride	ND	20.0							
LCS (2531160-BS1)					Prepared: 08/01/25 Analyzed: 08/01/25				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2531160-MS1)					Source: E507341-01		Prepared: 08/01/25 Analyzed: 08/01/25		
Chloride	846	20.0	250	631	86.0	80-120			
Matrix Spike Dup (2531160-MSD1)					Source: E507341-01		Prepared: 08/01/25 Analyzed: 08/01/25		
Chloride	821	20.0	250	631	76.0	80-120	3.01	20	M2

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 TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/06/25 15:12

- M2 Matrix spike recovery was outside quality control limits. 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

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Dagger State TB				Address: 3122 National Parks Hwy		E507348 23003-002					X	X								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1309	07/29/2025	s	1	FS09-1'		1								X			3.4			
1045	07/29/2025	s	1	FS10-1'		2								X			3.7			
1045	07/29/2025	s	1	FS11-1'		3								X			3.6			
1313	07/29/2025	s	1	FS12-1'		4								X			4.0			
1319	07/29/2025	s	1	FS17-1'		5								X			4.2			
1321	07/29/2025	s	1	FS18-1'		6								X			3.8			
1325	07/29/2025	s	1	FS19-1'		7								X			4.0			
1326	07/29/2025	s	1	FS20-1'		8								X			3.4			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Higinio Gonzalez, Eric Plugge																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y/N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 7/31/2025 11:04:35AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	07/31/25 08:00	Work Order ID:	E507348
Phone:	(972) 371-5200	Date Logged In:	07/30/25 14:54	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

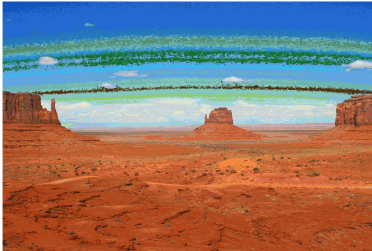
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E507359

Job Number: 23003-0002

Received: 8/1/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/7/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/7/25

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



Project Name: Dagger State TB
Workorder: E507359
Date Received: 8/1/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/1/2025 8:00:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/07/25 15:23
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01- 0-1'	E507359-01A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
SW02- 0-1'	E507359-02A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
SW04- 0-3'	E507359-03A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
SW05- 0-3'	E507359-04A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
FS14-1'	E507359-05A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
FS15-1'	E507359-06A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
FS32-3'	E507359-07A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
FS33-3'	E507359-08A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
FS34-3'	E507359-09A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
8/7/2025 3:23:31PM

SW01- 0-1'

E507359-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531180
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	08/01/25	08/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2531168
Chloride	118	20.0	1	08/04/25	08/04/25	



Sample Data

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

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

Reported:
8/7/2025 3:23:31PM

SW02- 0-1'

E507359-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		110 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		101 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		110 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		101 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531180
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
Surrogate: n-Nonane		114 %	61-141	08/01/25	08/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2531168
Chloride	ND	20.0	1	08/04/25	08/04/25	



Sample Data

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

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

Reported:
8/7/2025 3:23:31PM

SW04- 0-3'

E507359-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531180
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
Surrogate: n-Nonane		117 %	61-141	08/01/25	08/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2531168
Chloride	224	20.0	1	08/04/25	08/04/25	



Sample Data

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

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

Reported:
8/7/2025 3:23:31PM

SW05- 0-3'

E507359-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		103 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		103 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531180
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/04/25	
Surrogate: n-Nonane		114 %	61-141	08/01/25	08/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2531168
Chloride	76.4	20.0	1	08/04/25	08/04/25	



Sample Data

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

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

Reported:
8/7/2025 3:23:31PM

FS14-1'

E507359-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531180
Diesel Range Organics (C10-C28)	64.2	25.0	1	08/01/25	08/05/25	
Oil Range Organics (C28-C36)	53.3	50.0	1	08/01/25	08/05/25	
Surrogate: n-Nonane		113 %	61-141	08/01/25	08/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2531168
Chloride	157	20.0	1	08/04/25	08/04/25	



Sample Data

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

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

Reported:
8/7/2025 3:23:31PM

FS15-1'

E507359-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531180
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/05/25	
Surrogate: n-Nonane		120 %	61-141	08/01/25	08/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2531168
Chloride	177	20.0	1	08/04/25	08/04/25	



Sample Data

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

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

Reported:
8/7/2025 3:23:31PM

FS32-3'

E507359-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		103 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		103 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531180
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/05/25	
Surrogate: n-Nonane		117 %	61-141	08/01/25	08/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2531168
Chloride	80.0	20.0	1	08/04/25	08/04/25	



Sample Data

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

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

Reported:
8/7/2025 3:23:31PM

FS33-3'

E507359-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/05/25	
Toluene	ND	0.0250	1	08/01/25	08/05/25	
o-Xylene	ND	0.0250	1	08/01/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/05/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/01/25	08/05/25	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	08/01/25	08/05/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/05/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/01/25	08/05/25	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	08/01/25	08/05/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531180
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/05/25	
Surrogate: n-Nonane		112 %	61-141	08/01/25	08/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2531168
Chloride	68.6	20.0	1	08/04/25	08/04/25	



Sample Data

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

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

Reported:
8/7/2025 3:23:31PM

FS34-3'

E507359-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Benzene	ND	0.0250	1	08/01/25	08/05/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/05/25	
Toluene	ND	0.0250	1	08/01/25	08/05/25	
o-Xylene	ND	0.0250	1	08/01/25	08/05/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/05/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/05/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/01/25	08/05/25	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	08/01/25	08/05/25	
Surrogate: Toluene-d8		101 %	70-130	08/01/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2531183
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/05/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/01/25	08/05/25	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	08/01/25	08/05/25	
Surrogate: Toluene-d8		101 %	70-130	08/01/25	08/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531180
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/05/25	
Surrogate: n-Nonane		118 %	61-141	08/01/25	08/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2531168
Chloride	70.6	20.0	1	08/04/25	08/04/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2025 3:23:31PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2531183-BLK1)

Prepared: 08/01/25 Analyzed: 08/04/25

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	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.585		0.500		117	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

LCS (2531183-BS1)

Prepared: 08/01/25 Analyzed: 08/05/25

Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.63	0.0250	2.50		105	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.40	0.0500	5.00		108	70-130			
Total Xylenes	8.00	0.0250	7.50		107	70-130			
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike (2531183-MS1)

Source: E507336-02

Prepared: 08/01/25 Analyzed: 08/05/25

Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.59	0.0250	2.50	ND	104	45-135			
Toluene	2.49	0.0250	2.50	ND	99.5	48-130			
o-Xylene	2.56	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.30	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.86	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.543		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike Dup (2531183-MSD1)

Source: E507336-02

Prepared: 08/01/25 Analyzed: 08/04/25

Benzene	2.39	0.0250	2.50	ND	95.5	48-131	5.93	23	
Ethylbenzene	2.40	0.0250	2.50	ND	96.0	45-135	7.67	27	
Toluene	2.30	0.0250	2.50	ND	92.0	48-130	7.87	24	
o-Xylene	2.35	0.0250	2.50	ND	93.9	43-135	8.62	27	
p,m-Xylene	4.79	0.0500	5.00	ND	95.8	43-135	10.2	27	
Total Xylenes	7.14	0.0250	7.50	ND	95.1	43-135	9.67	27	
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2025 3:23:31PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531183-BLK1)					Prepared: 08/01/25 Analyzed: 08/04/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.585		0.500		117	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

LCS (2531183-BS2)					Prepared: 08/01/25 Analyzed: 08/04/25				
Gasoline Range Organics (C6-C10)	38.9	20.0	50.0		77.9	70-130			
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

Matrix Spike (2531183-MS2)					Source: E507336-02	Prepared: 08/01/25 Analyzed: 08/05/25			
Gasoline Range Organics (C6-C10)	60.1	20.0	50.0	ND	120	70-130			
Surrogate: Bromofluorobenzene	0.555		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike Dup (2531183-MSD2)					Source: E507336-02	Prepared: 08/01/25 Analyzed: 08/05/25			
Gasoline Range Organics (C6-C10)	61.1	20.0	50.0	ND	122	70-130	1.65	20	
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2025 3:23:31PM

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 (2531180-BLK1)					Prepared: 08/01/25 Analyzed: 08/04/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.1		50.0		112	61-141			

LCS (2531180-BS1)					Prepared: 08/01/25 Analyzed: 08/04/25				
Diesel Range Organics (C10-C28)	287	25.0	250		115	66-144			
Surrogate: n-Nonane	54.4		50.0		109	61-141			

Matrix Spike (2531180-MS1)					Source: E507361-03		Prepared: 08/01/25 Analyzed: 08/04/25		
Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	56-156			
Surrogate: n-Nonane	58.5		50.0		117	61-141			

Matrix Spike Dup (2531180-MSD1)					Source: E507361-03		Prepared: 08/01/25 Analyzed: 08/04/25		
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	56-156	6.92	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 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/7/2025 3:23:31PM
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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 (2531168-BLK1)					Prepared: 08/04/25 Analyzed: 08/04/25				
Chloride	ND	20.0							
LCS (2531168-BS1)					Prepared: 08/04/25 Analyzed: 08/04/25				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2531168-MS1)					Source: E508005-02		Prepared: 08/04/25 Analyzed: 08/04/25		
Chloride	272	20.0	250	20.2	101	80-120			
Matrix Spike Dup (2531168-MSD1)					Source: E508005-02		Prepared: 08/04/25 Analyzed: 08/04/25		
Chloride	274	20.0	250	20.2	102	80-120	0.597	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 TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/07/25 15:23

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

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

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

Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Dagger State TB				Address: 3122 National Parks Hwy		E601359	2303002				X	X							
Project Manager: Ashlev Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
0848	07-30-25	s	1	SW01 - 0-1'		1								X					
0852		s	1	SW02 - 0-1'		2								X					
1216		s	1	SW04 - 0-3'		3								X					
1215		s	1	SW05 - 0-3'		4								X					
0840		s	1	FS14 - 1'		5								X					
0838		s	1	FS15 - 1'		6								X					
1217		s	1	FS32 - 3'		7								X					
1219		s	1	FS33 - 3'		8								X					
1221		s	1	FS34 - 3'		9								X					
		s	1											X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Higinio Gonzalez, Eric Plugge																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> <u>N</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									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Michelle Gonzalez		07-31-25				Michelle Gonzalez		7-31-25		0845									
Michelle Gonzalez		7-31-25		1445		Marissa Gonzalez		7-31-25		1445									
Marissa Gonzalez		7-31-25		1825		A. M.		7-31-25		1825									
A. M.		7-31-25		2230		Caitlin Mann		8-1-25		800									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 8/1/2025 1:03:12PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/01/25 08:00	Work Order ID:	E507359
Phone:	(972) 371-5200	Date Logged In:	07/31/25 15:15	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/07/25 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/Resolution

Missing relinquished time on signature line from client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

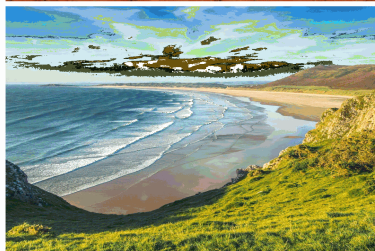
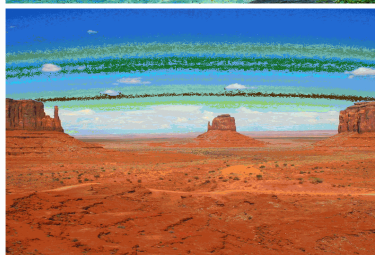
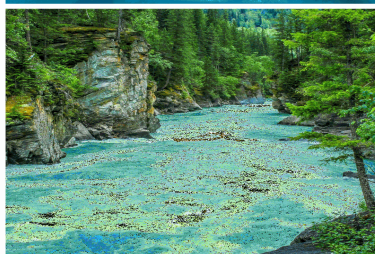
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E508014

Job Number: 23003-0002

Received: 8/4/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/25

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: 8/8/25

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



Project Name: Dagger State TB
Workorder: E508014
Date Received: 8/4/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/4/2025 7:30:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/08/25 13:05
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS21-.5'	E508014-01A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS22-.5'	E508014-02A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS23-.5'	E508014-03A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS24-.5'	E508014-04A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS25-.5'	E508014-05A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS26-.5'	E508014-06A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS27-.5'	E508014-07A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS28-.5'	E508014-08A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS29-.5'	E508014-09A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS30-.5'	E508014-10A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS31-3'	E508014-11A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS35-3'	E508014-12A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS36-3'	E508014-13A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS37-3'	E508014-14A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS38-3'	E508014-15A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS39-.5'	E508014-16A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS40-.5'	E508014-17A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
FS41-.5'	E508014-18A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SW03- 0-3'	E508014-19A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Dagger State TB

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

8/8/2025 1:05:15PM

FS21-.5'

E508014-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.2 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	147	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS22-.5'

E508014-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532034
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532034
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532057
Diesel Range Organics (C10-C28)	57.7	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
	98.2 %	61-141		08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532070
Chloride	72.0	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS23-.5'

E508014-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.8 %</i>	<i>70-130</i>		<i>08/05/25</i>	<i>08/07/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>104 %</i>	<i>70-130</i>		<i>08/05/25</i>	<i>08/07/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2532057	
Diesel Range Organics (C10-C28)	172	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	66.6	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>	<i>101 %</i>	<i>61-141</i>		<i>08/05/25</i>	<i>08/06/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	113	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS24-.5'

E508014-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS25-.5'

E508014-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
	99.8 %	61-141		08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	74.9	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS26-.5'

E508014-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	38.7	20.0	1	08/06/25	08/06/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/8/2025 1:05:15PM
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FS27-.5'

E508014-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	101 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>	101 %	61-141		08/05/25	08/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS28-.5'

E508014-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	36.4	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		100 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	66.5	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS29-.5'

E508014-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	59.7	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
	99.6 %	61-141		08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	29.1	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS30-.5'

E508014-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	575	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	233	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS31-3'

E508014-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	50.5	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS35-3'

E508014-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532034
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532034
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.4 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532057
Diesel Range Organics (C10-C28)	31.0	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532070
Chloride	32.9	20.0	1	08/06/25	08/06/25	



Sample Data

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name: Dagger State TB

Project Number: 23003-0002

Project Manager: Ashley Giovengo

Reported:

8/8/2025 1:05:15PM

FS36-3'**E508014-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS37-3'

E508014-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.9 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS38-3'

E508014-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	71.0	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	143	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS39-.5'

E508014-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.5 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	270	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS40-.5'

E508014-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532034
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532034
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.0 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532057
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/06/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	08/05/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532070
Chloride	ND	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

FS41-.5'

E508014-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532057	
Diesel Range Organics (C10-C28)	32.7	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532070	
Chloride	77.5	20.0	1	08/06/25	08/06/25	



Sample Data

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

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

Reported:
8/8/2025 1:05:15PM

SW03- 0-3'

E508014-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532034
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532034
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532057
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532070
Chloride	105	20.0	1	08/06/25	08/06/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 1:05:15PM

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 (2532034-BLK1)

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

LCS (2532034-BS1)

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	4.72	0.0250	5.00		94.4	70-130			
Ethylbenzene	4.64	0.0250	5.00		92.7	70-130			
Toluene	4.69	0.0250	5.00		93.8	70-130			
o-Xylene	4.68	0.0250	5.00		93.6	70-130			
p,m-Xylene	9.43	0.0500	10.0		94.3	70-130			
Total Xylenes	14.1	0.0250	15.0		94.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			

Matrix Spike (2532034-MS1)

Source: E508014-05

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	4.34	0.0250	5.00	ND	86.8	70-130			
Ethylbenzene	4.25	0.0250	5.00	ND	85.0	70-130			
Toluene	4.31	0.0250	5.00	ND	86.1	70-130			
o-Xylene	4.36	0.0250	5.00	ND	87.2	70-130			
p,m-Xylene	8.67	0.0500	10.0	ND	86.7	70-130			
Total Xylenes	13.0	0.0250	15.0	ND	86.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2532034-MSD1)

Source: E508014-05

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	4.80	0.0250	5.00	ND	95.9	70-130	9.95	27	
Ethylbenzene	4.71	0.0250	5.00	ND	94.3	70-130	10.4	26	
Toluene	4.77	0.0250	5.00	ND	95.3	70-130	10.1	20	
o-Xylene	4.75	0.0250	5.00	ND	95.1	70-130	8.59	25	
p,m-Xylene	9.59	0.0500	10.0	ND	95.9	70-130	10.0	23	
Total Xylenes	14.3	0.0250	15.0	ND	95.6	70-130	9.55	26	
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 1:05:15PM

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 (2532034-BLK1) Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			

LCS (2532034-BS2) Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0		88.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		8.00		101	70-130			

Matrix Spike (2532034-MS2) Source: E508014-05 Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			

Matrix Spike Dup (2532034-MSD2) Source: E508014-05 Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.7	70-130	3.05	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		8.00		103	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 1:05:15PM

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 (2532057-BLK1)					Prepared: 08/05/25 Analyzed: 08/06/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.7	61-141			

LCS (2532057-BS1)					Prepared: 08/05/25 Analyzed: 08/06/25				
Diesel Range Organics (C10-C28)	264	25.0	250		106	66-144			
Surrogate: n-Nonane	50.4		50.0		101	61-141			

Matrix Spike (2532057-MS1)					Source: E508014-06		Prepared: 08/05/25 Analyzed: 08/06/25		
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	49.4		50.0		98.9	61-141			

Matrix Spike Dup (2532057-MSD1)					Source: E508014-06		Prepared: 08/05/25 Analyzed: 08/06/25		
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	56-156	1.02	20	
Surrogate: n-Nonane	50.5		50.0		101	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/8/2025 1:05:15PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532070-BLK1)					Prepared: 08/06/25 Analyzed: 08/06/25				
Chloride	ND	20.0							
LCS (2532070-BS1)					Prepared: 08/06/25 Analyzed: 08/06/25				
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2532070-MS1)					Source: E508014-04		Prepared: 08/06/25 Analyzed: 08/06/25		
Chloride	278	20.0	250	ND	111	80-120			
Matrix Spike Dup (2532070-MSD1)					Source: E508014-04		Prepared: 08/06/25 Analyzed: 08/06/25		
Chloride	281	20.0	250	ND	112	80-120	1.17	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 TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/08/25 13:05

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Dagger State TB				Address: 3122 National Parks Hwy		E508014	23003.0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEQ 1005 - TX	RCRA 8 Metals	BDQC - NM	BDQC - TX	SDWA	CWA	RCRA	
0934	7-31-25	s	1	FS21-.5'		1								X					
0935		s	1	FS22-.5'		2								X					
0947		s	1	FS23-.5'		3								X					
0933		s	1	FS24-.5'		4								X					
0929		s	1	FS25-.5'		5								X					
1200		s	1	FS26-.5'		6								X					
1153		s	1	FS27-.5'		7								X					
1206		s	1	FS28-.5'		8								X					
1237		s	1	FS29-.5'		9								X					
1129		s	1	FS30-.5'		10								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Higinio Gonzalez, Eric Plugge																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Matador				Company: Ensolum LLC		Lab WO# E508014		Job Number 23008.0002		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Dagger State TB				Address: 3122 National Parks Hwy										X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: 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	TCFQ 1005 - TX	RCRA 8 Metals	BODOC - NM	BODOC - TX	SDWA	CWA	RCRA	
1117	7-31-25	s	1	FS31-3'		11								X					
1125		s	1	FS35-3'		12								X					
1119		s	1	FS36-3'		13								X					
1122		s	1	FS37-3'		14								X					
1121		s	1	FS38-3'		15								X					
1131		s	1	FS39-.5'		16								X					
1149		s	1	FS40-.5'		17								X					
1202		s	1	FS41-.5'		18								X					
1047		s	1	SW03-0-3'		19								X					
		s	1											X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Higinio Gonzalez, Eric Plugge																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N							
<i>Michelle Gonzalez</i>		8-1-25				<i>Michelle Gonzalez</i>		8-1-25		0840									
<i>Michelle Gonzalez</i>		8-1-25		1415		<i>Marissa Gonzalez</i>		8-1-25		1415									
<i>Marissa Gonzalez</i>		8-1-25		2200		<i>Michelle Gonzalez</i>		8-4-25		730									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 8/4/2025 8:42:44AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/04/25 07:30	Work Order ID:	E508014
Phone:	(972) 371-5200	Date Logged In:	08/01/25 15:18	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/08/25 07:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E508034

Job Number: 23003-0002

Received: 8/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/11/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/11/25

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



Project Name: Dagger State TB
Workorder: E508034
Date Received: 8/5/2025 6:45:34AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/5/2025 6:45:34AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

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

Reported:
08/11/25 13:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-.5'	E508034-01A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS02-.5'	E508034-02A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS03-.5'	E508034-03A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS04-.5'	E508034-04A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS05-.5'	E508034-05A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS06-.5'	E508034-06A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS07-.5'	E508034-07A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS42-1'	E508034-08A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS43-1'	E508034-09A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS44-1'	E508034-10A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS45-1'	E508034-11A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS46-1'	E508034-12A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS47-1'	E508034-13A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS48-1'	E508034-14A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS49-1'	E508034-15A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
FS50-1'	E508034-16A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
SW06 0-1'	E508034-17A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.
SW07 0-1'	E508034-18A	Soil	08/01/25	08/05/25	Glass Jar, 2 oz.



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS01-.5'

E508034-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.2 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2532095	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	08/07/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532089	
Chloride	616	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS02-.5'

E508034-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532095	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532089	
Chloride	92.3	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS03-.5'

E508034-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532095
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532089
Chloride	284	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS04-.5'

E508034-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532095
Diesel Range Organics (C10-C28)	80.7	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532089
Chloride	243	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS05-.5'

E508034-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532095	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532089	
Chloride	20.7	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS06-.5'

E508034-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532095	
Diesel Range Organics (C10-C28)	328	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	119	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
	66.4 %	61-141		08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532089	
Chloride	49.5	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS07-.5'

E508034-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532095
Diesel Range Organics (C10-C28)	38.0	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532089
Chloride	398	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS42-1'

E508034-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532095
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		08/07/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532089
Chloride	465	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS43-1'

E508034-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532095	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		08/07/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532089	
Chloride	ND	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS44-1'

E508034-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532095	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		08/07/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532089	
Chloride	ND	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS45-1'

E508034-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532095
Diesel Range Organics (C10-C28)	287	25.0	1	08/07/25	08/08/25	
Oil Range Organics (C28-C36)	111	50.0	1	08/07/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	08/07/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532089
Chloride	345	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS46-1'

E508034-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.3 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532095	
Diesel Range Organics (C10-C28)	26.6	25.0	1	08/07/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		109 %	61-141	08/07/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532089	
Chloride	245	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS47-1'

E508034-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.1 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532095
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	08/07/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532089
Chloride	261	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS48-1'

E508034-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.2 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532095
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	08/07/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532089
Chloride	147	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS49-1'

E508034-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532095	
Diesel Range Organics (C10-C28)	28.0	25.0	1	08/07/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	08/07/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532089	
Chloride	ND	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

FS50-1'

E508034-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.0 %	70-130	08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532095	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	08/07/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532089	
Chloride	ND	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

SW06 0-1'

E508034-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.5 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532095
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		08/07/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532089
Chloride	81.6	20.0	1	08/06/25	08/07/25	



Sample Data

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

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

Reported:
8/11/2025 1:05:55PM

SW07 0-1'

E508034-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Benzene	ND	0.0250	1	08/06/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/06/25	08/08/25	
Toluene	ND	0.0250	1	08/06/25	08/08/25	
o-Xylene	ND	0.0250	1	08/06/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/06/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/06/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		08/06/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532095	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		08/07/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532089	
Chloride	ND	20.0	1	08/06/25	08/07/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/11/2025 1:05:55PM

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 (2532068-BLK1)

Prepared: 08/06/25 Analyzed: 08/08/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

LCS (2532068-BS1)

Prepared: 08/06/25 Analyzed: 08/08/25

Benzene	4.25	0.0250	5.00		85.0	70-130			
Ethylbenzene	4.17	0.0250	5.00		83.4	70-130			
Toluene	4.24	0.0250	5.00		84.8	70-130			
o-Xylene	4.30	0.0250	5.00		86.1	70-130			
p,m-Xylene	8.53	0.0500	10.0		85.3	70-130			
Total Xylenes	12.8	0.0250	15.0		85.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

Matrix Spike (2532068-MS1)

Source: E508034-04

Prepared: 08/06/25 Analyzed: 08/08/25

Benzene	4.01	0.0250	5.00	ND	80.2	70-130			
Ethylbenzene	3.95	0.0250	5.00	ND	78.9	70-130			
Toluene	4.00	0.0250	5.00	ND	80.0	70-130			
o-Xylene	4.08	0.0250	5.00	ND	81.6	70-130			
p,m-Xylene	8.08	0.0500	10.0	ND	80.8	70-130			
Total Xylenes	12.2	0.0250	15.0	ND	81.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		101	70-130			

Matrix Spike Dup (2532068-MSD1)

Source: E508034-04

Prepared: 08/06/25 Analyzed: 08/08/25

Benzene	4.34	0.0250	5.00	ND	86.7	70-130	7.79	27	
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	70-130	9.07	26	
Toluene	4.34	0.0250	5.00	ND	86.8	70-130	8.13	20	
o-Xylene	4.35	0.0250	5.00	ND	86.9	70-130	6.29	25	
p,m-Xylene	8.80	0.0500	10.0	ND	88.0	70-130	8.47	23	
Total Xylenes	13.1	0.0250	15.0	ND	87.6	70-130	7.74	26	
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/11/2025 1:05:55PM

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 (2532068-BLK1) Prepared: 08/06/25 Analyzed: 08/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.7	70-130			

LCS (2532068-BS2) Prepared: 08/06/25 Analyzed: 08/08/25

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			

Matrix Spike (2532068-MS2) Source: E508034-04 Prepared: 08/06/25 Analyzed: 08/08/25

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			

Matrix Spike Dup (2532068-MSD2) Source: E508034-04 Prepared: 08/06/25 Analyzed: 08/08/25

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130	13.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/11/2025 1:05:55PM

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 (2532095-BLK1)					Prepared: 08/07/25 Analyzed: 08/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	61-141			

LCS (2532095-BS1)					Prepared: 08/07/25 Analyzed: 08/07/25				
Diesel Range Organics (C10-C28)	265	25.0	250		106	66-144			
Surrogate: n-Nonane	49.9		50.0		99.8	61-141			

Matrix Spike (2532095-MS1)					Source: E508034-03		Prepared: 08/07/25 Analyzed: 08/07/25		
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	50.5		50.0		101	61-141			

Matrix Spike Dup (2532095-MSD1)					Source: E508034-03		Prepared: 08/07/25 Analyzed: 08/07/25		
Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	56-156	13.2	20	
Surrogate: n-Nonane	58.3		50.0		117	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/11/2025 1:05:55PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532089-BLK1)					Prepared: 08/06/25 Analyzed: 08/07/25				
Chloride	ND	20.0							
LCS (2532089-BS1)					Prepared: 08/06/25 Analyzed: 08/07/25				
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2532089-MS1)					Source: E508034-04		Prepared: 08/06/25 Analyzed: 08/07/25		
Chloride	474	20.0	250	243	92.4	80-120			
Matrix Spike Dup (2532089-MSD1)					Source: E508034-04		Prepared: 08/06/25 Analyzed: 08/07/25		
Chloride	483	20.0	250	243	96.0	80-120	1.89	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 TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/11/25 13:05

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

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

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

Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Dagger State TB				Address: 3122 National Parks Hwy		E568034	23003.0002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
0402	8/11/25	s	1	FS01-.5'		1								X		2.8		
0400		s	1	FS02-.5'		2								X		2.6		
0858		s	1	FS03-.5'		3								X		3.2		
0904		s	1	FS04-.5'		4								X		3.4		
0906		s	1	FS05-.5'		5								X		2.1		
0911		s	1	FS06-.5'		6								X		2.0		
1002		s	1	FS07-.5'		7								X		1.8		
1100		s	1	FS42-1'		8								X		1.6		
1156		s	1	FS43-1'		9								X		2.4		
1153		s	1	FS44-1'		10								X		2.0		
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Higinio Gonzalez, Eric Plugge																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (Y/N)										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Dagger State TB				Address: 3122 National Parks Hwy		E508034	23008-002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1200	8/1/25	S	1	FS45-1'		11								X		2.6		
1113		S	1	FS46-1'		12								X		2.2		
1115		S	1	FS47-1'		13								X		2.2		
1117		S	1	FS48-1'		14								X		1.6		
1150		S	1	FS49-1'		15								X		1.8		
1151		S	1	FS50-1'		16								X		2.1		
1047		S	1	SW06-01		17								X		2.0		
1051		S	1	SW07 0-1'		18								X		1.6		
		S	1											X				
		S	1											X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Higinio Gonzalez, Eric Plugge																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> /N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Envirotech Analytical Laboratory

Printed: 8/5/2025 10:21:58AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/05/25 06:45	Work Order ID:	E508034
Phone:	(972) 371-5200	Date Logged In:	08/04/25 16:36	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/11/25 07:00 (4 day TAT)		

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

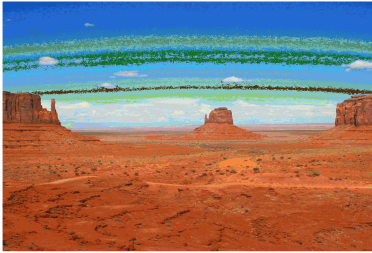
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger State TB

Work Order: E508323

Job Number: 23003-0002

Received: 8/29/2025

Revision: 0

Report Reviewed By:

Draft

Walter Hinchman
Laboratory Director
8/29/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/29/25

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



Project Name: Dagger State TB
Workorder: E508323
Date Received: 8/29/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/29/2025 7:15:00AM, under the Project Name: Dagger State TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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SS09B-0'	5
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Sample Summary

Matador Resources, LLC.	Project Name:	Dagger State TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/29/25 10:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS09B-0'	E508323-01A	Soil	08/28/25	08/29/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger State TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/29/2025 10:15:37AM
---	---	--

SS09B-0'

E508323-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2535120	
Benzene	ND	0.0250	1	08/29/25	08/29/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/29/25	
Toluene	ND	0.0250	1	08/29/25	08/29/25	
o-Xylene	ND	0.0250	1	08/29/25	08/29/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/29/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.3 %	70-130		08/29/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2535120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	106 %	70-130		08/29/25	08/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2535126	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	08/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	08/29/25	
<i>Surrogate: n-Nonane</i>	91.6 %	61-141		08/29/25	08/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2535121	
Chloride	188	20.0	1	08/29/25	08/29/25	



Definitions and Notes

Matador Resources, LLC.	Project Name:	Dagger State TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/29/25 10:15

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.



[illegible]

Envirotech Analytical Laboratory

Printed: 8/29/2025 9:04:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/29/25 07:15	Work Order ID:	E508323
Phone:	(972) 371-5200	Date Logged In:	08/28/25 15:40	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/30/25 07:00 (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

Carrier: Courier

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

Comments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMOCD Correspondence

From: [Velez, Nelson, EMNRD](#)
To: [Ashley Giovengo](#)
Cc: [Jason Touchet](#); [Chad Hamilton](#); [Bilkis Moir](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#)
Subject: Re: [EXTERNAL] Confirmation Sampling Variance - Dagger State TB - Incident Number nAPP2515348746
Date: Friday, July 18, 2025 9:33:05 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[Outlook-bp2eqvce.png](#)

[**EXTERNAL EMAIL**]

Good morning Ashley,

Thank you for the correspondence and in speaking with me this morning.

As I mentioned in our telephone conversation, your email somewhat overlooked the matter into the depth to water (dtw) determination being outside the preferable 0.5 mile radius. Since its distance is approximately 0.67 miles away from the incident, OCD has accepted this information and will view your dtw being >100 feet below grade.

Your variance request to increase the sampling frequency to 400 square feet (sq. ft.) for the excavation floor samples is approved. Sidewall confirmation samples will be at 200 sq. ft. per composite where applicable.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Have a safe and productive day!

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/oecd>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, July 17, 2025 2:50 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Confirmation Sampling Variance - Dagger State TB - Incident Number nAPP2515348746

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Thursday, July 17, 2025 2:31 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Chad Hamilton <chamilton@ensolum.com>; Bilkis Moir <bmoir@ensolum.com>
Subject: [EXTERNAL] Confirmation Sampling Variance - Dagger State TB - Incident Number nAPP2515348746

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

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Dagger State TB (Site). On June 02, 2025, equipment failure on a vertical heater treater resulted in the release of approximately 180 barrels (bbls) of crude oil. The release impacted the lined secondary containment and approximately 19,758 square feet of the caliche pad. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on June 02, 2025, and subsequently the release was assigned (Incident Number nAPP2515348746). The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, CP-1882-POD1, located 0.67 miles northeast of the Site. The well had a reported depth to groundwater greater than 106 feet below ground surface (bgs) and a total depth of 106 feet bgs. A desktop review for potential site receptors has been completed for this Site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is a fresh water emergent wetland located approximately 2.04 miles north of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 100 mg/kg Total TPH – Gasoline Range Organics (GRO), TPH – Oil Range Organics (ORO), TPH – Diesel Range Organics

(DRO), and 600 mg/kg chloride.

Ensolum personnel have completed lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I. A liner Integrity Inspection was conducted on July 15, 2025, and vertical delineation soil sampling inside the lined secondary containment is currently ongoing. Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador is scheduled to begin confirmation soil sampling activities as soon as a subcontractor is selected and Matador intends to remove any impacts that exceed the Site Closure Criteria via mechanical equipment. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a regional depth to groundwater greater than 106 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2515348746).

Thanks,



Ashley Giovengo

Associate Principal

575-988-0055

Ensolum, LLC

in f X

“Your authenticity is your superpower.” – Unknown

From: [Velez, Nelson, EMNRD](#)
To: [Chad Hamilton](#); [Enviro, OCD, EMNRD](#)
Cc: [Ashley Giovengo](#); [Jason Touchet](#)
Subject: Re: [EXTERNAL] Depth to Water Variance - Dagger State TB - Incident Number nAPP2515348746
Date: Wednesday, July 23, 2025 11:23:42 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[Outlook-n043qjil.png](#)

[**EXTERNAL EMAIL**]

Good afternoon Chad,

Thank you for the correspondence.

Your variance request in determining the depth to water estimation being > 100 feet below grade is approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Chad Hamilton <chamilton@ensolum.com>
Sent: Tuesday, July 22, 2025 9:05 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>

Subject: [EXTERNAL] Depth to Water Variance - Dagger State TB - Incident Number nAPP2515348746

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

Hello,

Matador Production Company (Matador) is requesting a depth to water variance at the Dagger State TB (Site). On June 02, 2025, equipment failure on a vertical heater treater resulted in the release of approximately 180 barrels (bbls) of crude oil. The release impacted the lined secondary containment and approximately 19,758 square feet of the caliche pad. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on June 02, 2025, and subsequently the release was assigned (Incident Number nAPP2515348746). The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, CP-1882-POD1, located 0.67 miles northeast of the Site. The well had a reported depth to groundwater greater than 106 feet below ground surface (bgs) and a total depth of 106 feet bgs. A desktop review for potential site receptors has been completed for this Site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is a fresh water emergent wetland located approximately 2.04 miles north of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 100 mg/kg Total TPH – Gasoline Range Organics (GRO), TPH – Oil Range Organics (ORO), TPH – Diesel Range Organics (DRO), and 600 mg/kg chloride.

Ensolum personnel have completed lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I. A liner Integrity Inspection was conducted on July 15, 2025, and vertical delineation soil sampling inside the lined secondary containment is currently ongoing. Matador would like to request a depth to water variance for this Site based on regional depth to groundwater data. Currently, there are 4 monitoring wells with available depth to groundwater data that are within 1.20 miles of the Site. New Mexico Office of the State Engineer (NMOSE) soil boring CP-1882-POD1 is located 0.67 miles northeast of the Site, soil boring CP-01883 POD1 is located 0.84 miles north of the Site, and soil borings CP-01878 and CP-01888 POD1 are located 1.18 and 1.13 miles south of the Site, respectively. All soil borings were completed within the last 4 years by Atkins Engineering and advanced to a minimum depth of 105 feet bgs. Matador respectfully requests the use of soil boring CP-1882 POD1 as the depth to groundwater determination for the Site and based on the adjusted Site Characterization, the following NMOCD Table I Closure Criteria would 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

Matador is scheduled to begin confirmation soil sampling activities as soon as a subcontractor is selected and Matador intends to remove any impacts that exceed the adjusted Site Closure Criteria via mechanical equipment. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a regional depth to groundwater greater than 106 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2515348746).

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

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 469922

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 469922
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Dagger State TB
Date Release Discovered	06/02/2025
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Other (Specify) Crude Oil Released: 179 BBL Recovered: 164 BBL Lost: 15 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)	Heater Treater fire tube developed a split in tube causing an unexpected release of crude oil on ground.

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Oil Conservation Division
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QUESTIONS, Page 2

Action 469922

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 469922
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

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

ACKNOWLEDGMENTS

Action 469922

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 469922
	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
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 469922

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 469922
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/2/2025

0.5" Saturation

Impacted Soil	
Saturated Soil (inches)	
	0.4
Area (sq. ft.)	
	19835.44
Standing fluids	
inches of standing fluid	
bbl estimate of standing fluids	
barrels recovered (if known)	
	0
Soil type	
pad caliche	
Spill type	
oil(crude)	
Barrel estimate in soil	
	15.7
Barrel estimate (standing fluids/ recovered+in soil)	
	15.7

Containment Area

Impacted Soil	
Saturated Soil (inches)	
	0
Area (sq. ft.)	
	8339
Standing fluids	
inches of standing fluid	
bbl estimate of standing fluids	
barrels recovered (if known)	
	164
Soil type	
pad caliche	
Spill type	
oil(crude)	
Barrel estimate in soil	
	0.0
Barrel estimate (standing fluids/ recovered+in soil)	
	164.0

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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 470036

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 470036
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515348746
Incident Name	NAPP2515348746 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Dagger State TB
Date Release Discovered	06/02/2025
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Other (Specify) Crude Oil Released: 180 BBL Recovered: 164 BBL Lost: 16 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)	Heater Treater fire tube developed a split in tube causing an unexpected release of crude oil on ground.

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QUESTIONS, Page 2

Action 470036

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 470036
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/02/2025
--	--

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QUESTIONS, Page 3

Action 470036

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 470036
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

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

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CONDITIONS

Action 470036

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 470036
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	6/3/2025

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QUESTIONS

Action 484288

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 484288
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515348746
Incident Name	NAPP2515348746 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Dagger State TB
Date Release Discovered	06/02/2025
Surface Owner	State

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	8,775
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	07/15/2025
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Please contact Aboubakar Kone @ (202) 569-0491
Please provide any information necessary for navigation to liner inspection site	32.44983, -103.61657

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CONDITIONS

Action 484288

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 484288
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	7/11/2025

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QUESTIONS

Action 488154

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488154
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515348746
Incident Name	NAPP2515348746 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	06/02/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	19,835
What is the estimated number of samples that will be gathered	57
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/28/2025
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	32.44983, -103.61657

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CONDITIONS

Action 488154

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488154
	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.	7/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/23/2025

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QUESTIONS

Action 488165

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488165
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515348746
Incident Name	NAPP2515348746 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	06/02/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	19,835
What is the estimated number of samples that will be gathered	57
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/29/2025
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	32.44983, -103.61657

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CONDITIONS

Action 488165

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488165
	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.	7/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/23/2025

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QUESTIONS

Action 488169

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488169
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515348746
Incident Name	NAPP2515348746 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	06/02/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	19,835
What is the estimated number of samples that will be gathered	57
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/30/2025
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	32.44983, -103.61657

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CONDITIONS

Action 488169

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488169
	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.	7/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/23/2025

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QUESTIONS

Action 488172

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488172
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515348746
Incident Name	NAPP2515348746 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	06/02/2025
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	19,853
What is the estimated number of samples that will be gathered	57
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/31/2025
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	32.44983, -103.61657

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CONDITIONS

Action 488172

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488172
	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.	7/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/23/2025

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QUESTIONS

Action 488175

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488175
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515348746
Incident Name	NAPP2515348746 DAGGER STATE TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	DAGGER STATE TB
Date Release Discovered	06/02/2025
Surface Owner	State

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	19,835
What is the estimated number of samples that will be gathered	57
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/01/2025
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	32.44983, -103.61657

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CONDITIONS

Action 488175

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 488175
	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.	7/23/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/23/2025

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QUESTIONS

Action 500769

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500769
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515348746
Incident Name	NAPP2515348746 DAGGER STATE TB @ L-30-21S-33E
Incident Type	Oil Release
Incident Status	Deferral Request Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	DAGGER STATE TB
Date Release Discovered	06/02/2025
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Other (Specify) Crude Oil Released: 180 BBL Recovered: 164 BBL Lost: 16 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)	Heater Treater fire tube developed a split in tube causing an unexpected release of crude oil on ground.

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QUESTIONS, Page 2

Action 500769

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500769
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 08/29/2025
--	--

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QUESTIONS, Page 3

Action 500769

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500769
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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)	616
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	41307
GRO+DRO (EPA SW-846 Method 8015M)	30707
BTEX (EPA SW-846 Method 8021B or 8260B)	71.8
Benzene (EPA SW-846 Method 8021B or 8260B)	2
<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	07/28/2025
On what date will (or did) the final sampling or liner inspection occur	08/01/2025
On what date will (or was) the remediation complete(d)	08/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	16687
What is the estimated volume (in cubic yards) that will be reclaimed	649
What is the estimated surface area (in square feet) that will be remediated	19887
What is the estimated volume (in cubic yards) that will be remediated	738
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 500769

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500769
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	<i>Not answered.</i>
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 08/29/2025
<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 500769

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500769
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Area of requested deferral is directly beneath secondary lined containment and production equipment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	895
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	33
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-48898 DAGGER STATE COM #514H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: 08/29/2025

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Action 500769

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500769
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	490840
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/05/2025
What was the (estimated) number of samples that were to be gathered	57
What was the sampling surface area in square feet	19835

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	No
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CONDITIONS

Action 500769

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 500769
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	9/12/2025