



May 7, 2026

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

**Re: Closure Request
Ray State Slot 3 TB
Incident Number nAPP2513253339
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment and soil sampling activities performed at the Ray State Slot 3TB (Site).

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil resulting from a release of produced water, which impacted the pad surface at the Site. Based on field observations, field screening activities, and laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting closure for Incident Number nAPP2513253339.

BACKGROUND

The Site is located in in Unit N, Section 36, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.25514°, -104.04419°) and is associated with oil and gas exploration and production operations on private land. On May 11, 2025, an equipment failure on a horizontal separator occurred resulting in the release of approximately 8 barrels (bbls) of produced water onto the pad surface; 2 bbls of produced water were recovered, 6 bbls of produced water were unrecoverable. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) on May 12, 2025, and submitted a Release Notification Form C-141 (C-141) on May 12, 2025. The release was assigned Incident Number nAPP2513253339.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Site Assessment/Characterization is described below.

According to the New Mexico Office of the State Engineer (NMOSE), the closest permitted groundwater well with depth to groundwater data is C 04901 POD1, located approximately 0.73 miles west of the Site. The well had a reported depth to groundwater first encountered at 52 feet below ground surface (bgs) and a total depth of 55 feet bgs. On November 25, 2024, the soil boring was measured by Ensolum personnel and depth to water measured at 16 feet bgs. Due to the rise of the static water level measured, it was determined that this is a confined water bearing layer with a confining gypsum layer found at 51

to 52 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is the Pecos River, located approximately 1,626 feet southeast of the Site.

The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is potentially underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg

An investigation into naturally occurring chloride near the Site began in June 2025 and a *Remediation Work Plan* (RWP), including a chloride variance request was submitted to NMOCD on December 2, 2025, via the NMOCD portal and was approved with conditions on December 23, 2025. The RWP was approved under the condition NMOCD's chloride variance be used in lieu of Ensolum's. Laboratory analytical results for background delineation soil samples BG02 through BG04 indicated concentrations of benzene, BTEX, and TPH were non-detect and chloride concentration were elevated (37.1 mg/kg to 9,990 mg/kg) at depths ranging from ground surface to 7 feet bgs. The approved background chloride variance stated that chloride concentrations should not exceed:

- 3,729 mg/kg at ground surface,
- 2,740 mg/kg at 1-foot bgs,
- 1,797 mg/kg at 2 feet bgs,
- 1,093 mg/kg at 3 feet bgs, and
- 903 mg/kg at 4 feet bgs.

If the excavation were to be advanced deeper than 4 feet bgs, the strictest closure criteria would be used. Vertical delineation of the release was completed and approved in the RWP. The Approved RWP can be referenced in Attachment I.

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on May 19, 2025, Ensolum personnel were onsite to delineate the lateral and vertical extent of the release as indicated by field observations and information provided on the C-141. Eight lateral soil samples (SS01 through SS08) were collected at ground surface and 1-foot bgs; SS05 was collected at ground surface only. Four boreholes (BH01 through BH04) were advanced via hand auger within the release extent to assess the vertical extent of impacted soil. Boreholes BH01 through BH04 were advanced to depths ranging from 3 feet to 7 feet bgs.

On June 25 and 26, 2025, Ensolum personnel conducted soil sampling around a nearby Site to assess for the presence or absence of naturally occurring chloride in undisturbed soil horizons. A total of four background samples (BG01 through BG04) were collected in areas preapproved by NMOCD and that did not appear to be disturbed by oil and gas operations at depths ranging from ground surface to 7 feet bgs. Delineation soil sample locations are presented on Figure 2 and background soil sample locations are presented on Figure 3.

On March 25, 2026, Ensolum personnel were onsite to further assess potential impacts within the release extent. Seven boreholes (BH03A through BH03C and BH04A through BH04D) were advanced via hand auger to depths ranging from 1-foot bgs to 4 feet bgs to confirm elevated chloride concentrations in boreholes BH03 and BH04 at 2 feet bgs.

All delineation soil samples were field screened for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® Soil Analyzer System, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. Photographic documentation of delineation activities 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 constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

From March 19 through March 25, 2026, impacted soil was excavated via hydrovac, hand-digging, mini excavator, skid steer, and belly-dump trucks from the release extent as indicated by visible staining and delineation soil sampling results. The excavation occurred around associated production equipment. Due to the presence of active production equipment, the excavation was advanced to the maximum extent practicable (MEP), 1-foot bgs, as to not destabilize the equipment. To direct excavation activities, Ensolum personnel field screened soil for chloride and TPH utilizing the same methods described above.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor of the release extent and 5-point composite soil samples representing no more than every 200 feet from the sidewalls of the excavation area. 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 FS23 were collected from the floor of the excavation at a depth of 1-foot bgs. Two confirmation sidewall soil samples (SW01 and SW02) were collected from the excavation sidewalls at depths ranging from ground surface to 1-foot bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 4.

The final excavation extent measured approximately 4,600 square feet. A total of approximately 196 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Red Bluff Landfill.

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LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS01 through SS08 were all in compliance with the strictest Closure Criteria at ground surface and 1-foot bgs; SS05 was in compliance at ground surface only. Laboratory analytical results for boreholes BH01 through BH04 indicated gross impacts of chloride were present at ground surface and exceeded the approved background chloride variance at a depth of 2 feet bgs in boreholes BH03 and BH04. Laboratory analytical results for boreholes BH01 and BH04 indicated concentrations of TPH exceeded the Site Closure Criteria at ground surface but were in compliance with the strictest Closure Criteria at a depth of 2 feet bgs.

Laboratory analytical results for boreholes BH03A through BH03C and BH04A through BH04D indicated chloride concentrations were in compliance with the approved background chloride variance and TPH concentrations were in compliance with the Site Closure Criteria at depths ranging from 1-foot bgs to 4 feet bgs.

Laboratory analytical results for excavation floor samples (FS01 through FS23), collected from the floor of the release extent, were compliant with the approved background chloride variance at a depth of 1-foot bgs. Laboratory analytical results for confirmation sidewall soil samples SW01 and SW02, collected at depths ranging from ground surface to 1-foot bgs, were in compliance with the approved background chloride variance. Laboratory analytical results are summarized in Tables 1, through 4, and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS08 at ground surface and 1-foot bgs and laterally defined in accordance with the approved naturally occurring chloride variance and by confirmation sidewall soil samples SW01 and SW02, collected at depths ranging from ground surface to 1-foot bgs. According to the approved RWP (Attachment I) vertical delineation in accordance with the strictest Closure Criteria has been met within the imported caliche material in boreholes BH01 and BH02. Vertical delineation in accordance with the proposed background chloride range of less than 20.0 mg/kg to 9,990 mg/kg was achieved in boreholes BH03 and BH04, collected at depths ranging from 1-foot bgs to 7 feet bgs. Excavation of impacted soil was completed, and excavation floor samples FS01 through FS23, collected at 1-foot bgs were all in compliance with the approved chloride variance.

Elevated chloride concentrations exceeding the approved chloride variance in boreholes BH03 and BH04 are laterally defined by boreholes BH03A through BH03C and BH04A through BH04D, respectively, and can be attributed to either higher concentrations of naturally occurring chlorides, like those found in background samples BG03 and BG04, or cross contamination during initial delineation activities. The remaining exceedances are confined to areas directly adjacent to boreholes BH03 and BH04, are within the natural chloride range found in background delineation boreholes BG01 through BG04. Boreholes BH03 and BH04 were collected as discrete soil samples and are not representative of the chloride concentrations from the areas in which they were collected from.

Based on the remedial actions completed to date and the presence of naturally occurring chlorides, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2513253339.

If you have any questions or comments, please contact Mrs. Ashley Urzedo at (575) 988-0055 or aurzedo@ensolum.com.

Matador Production Company
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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)
Associate Principal, Geologist

cc: Jason Touchet, Matador

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Background Soil Sample Locations
- Figure 4 Excavation Soil Sample Locations

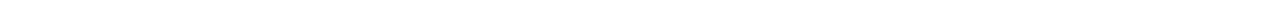
- Table 1 Delineation Soil Sample Analytical Results
- Table 2 Background Soil Sample Analytical Results
- Table 3 Excavation Soil Sample Analytical Results
- Table 4 Sidewall Soil Sample Analytical Results

- 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




- Attachment I Approved Remediation Workplan







FIGURES

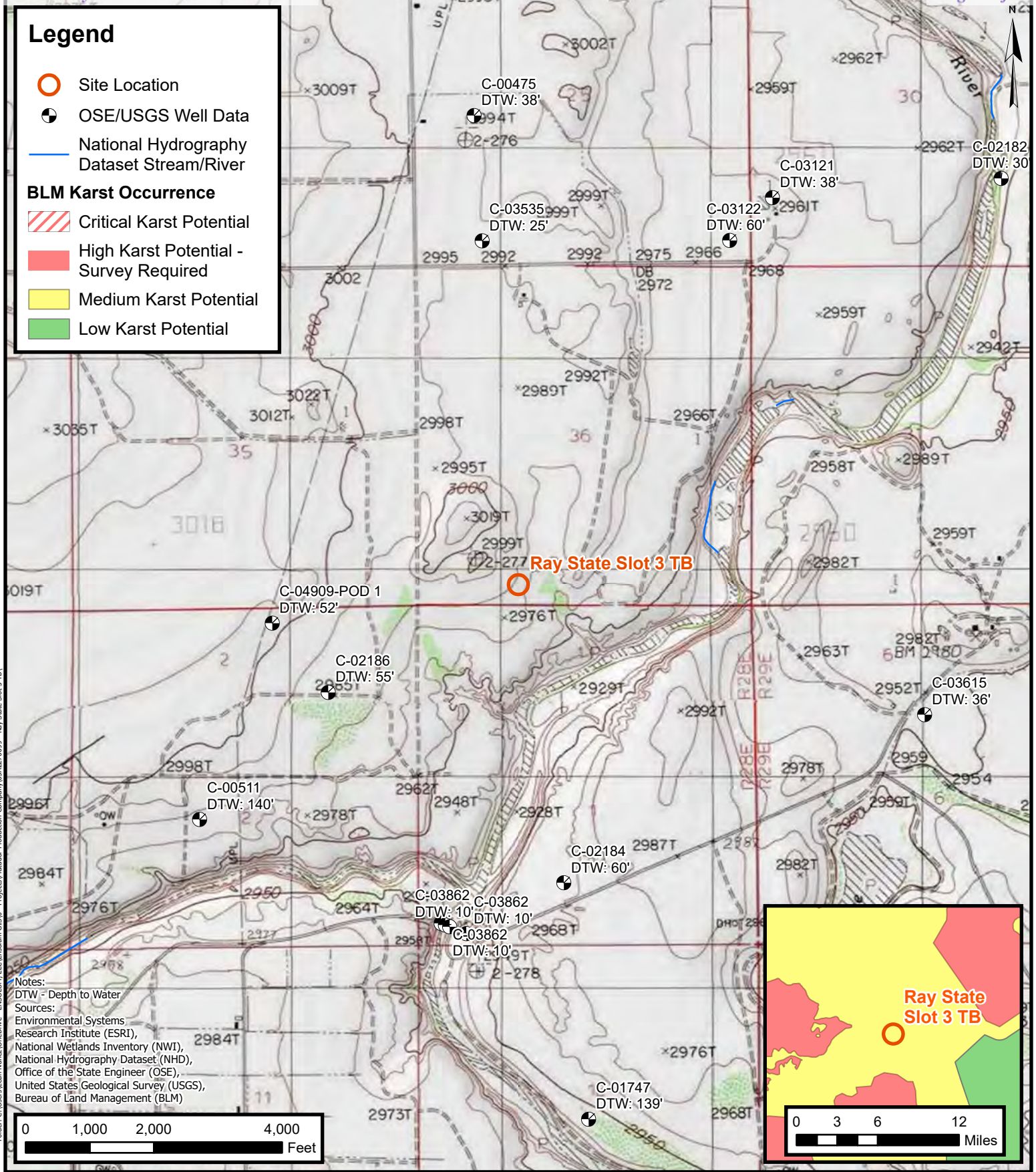


Legend

-  Site Location
-  OSE/USGS Well Data
-  National Hydrography Dataset Stream/River

BLM Karst Occurrence

-  Critical Karst Potential
-  High Karst Potential - Survey Required
-  Medium Karst Potential
-  Low Karst Potential



Site Receptor Map

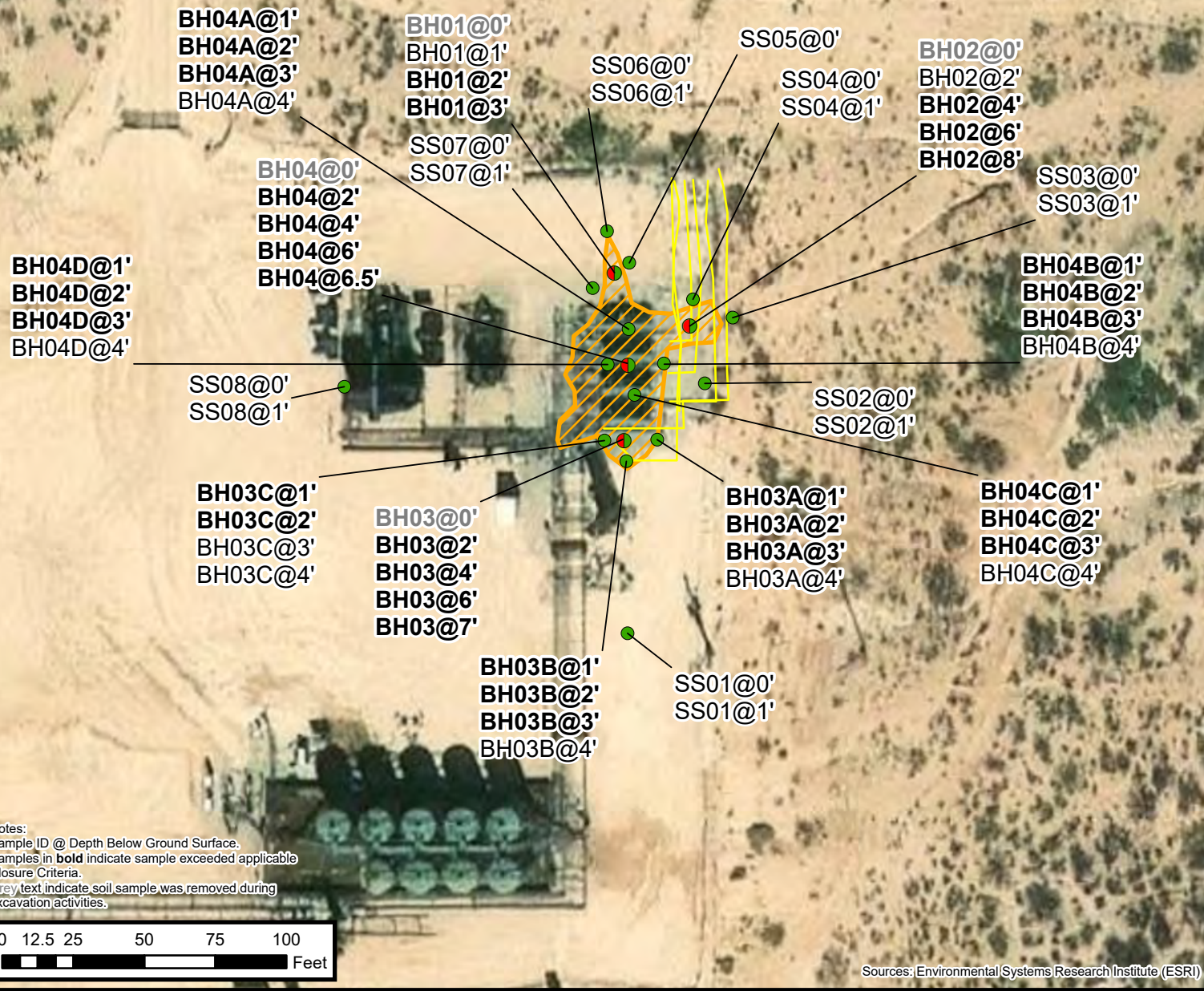
Matador Production Company
 Ray State Slot 3 TB
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 Unit N, Section 36, T 23S, R 28E
 Eddy County, New Mexico

FIGURE
1



Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- Visible Staining



Delineation Soil Sample Locations

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FIGURE

2



Legend

- Background Soil Sample in Compliance with Closure Criteria
- Background Soil Sample with Concentrations Exceeding Closure Criteria
- Background Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- ▨ Release Extent



BG01@0'
 BG01@1'
 BG01@2'
 BG01@3'
 BG01@4'
 BG01@5'
 BG01@6'
 BG01@7'

BG04@0'
 BG04@1'
 BG04@2'
 BG04@3'
 BG04@4'

BG03@0'
 BG03@1'
 BG03@2'
 BG03@3'
 BG03@4'
 BG03@5'
 BG03@6'
 BG03@7'

BG02@0'
 BG02@1'
 BG02@2'
 BG02@3'
 BG02@4'
 BG02@5'
 BG02@6'
 BG02@7'








Background Soil Sample Locations

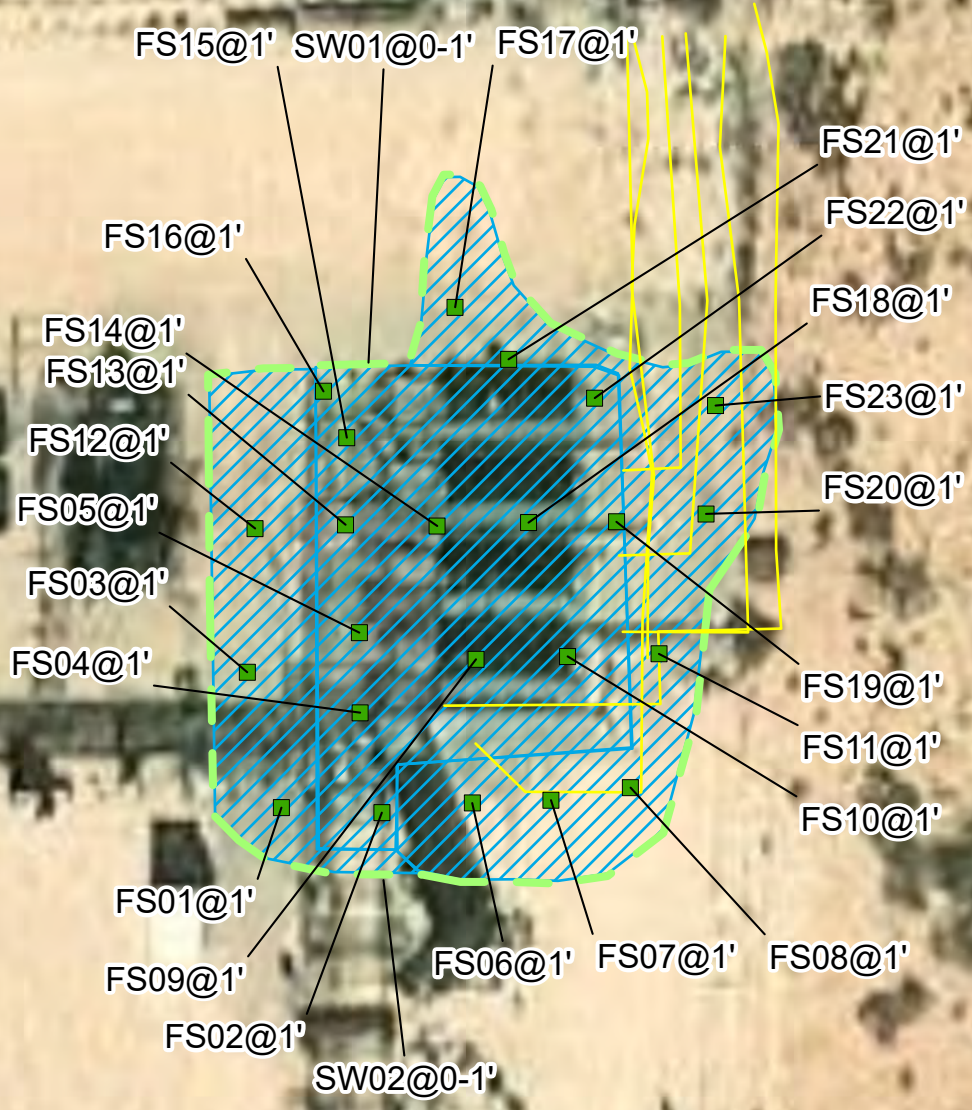
Matador Production Company
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 Eddy County, New Mexico

FIGURE

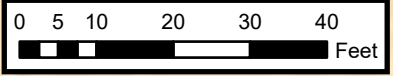
3

Legend

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



Notes:
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



Excavation Soil Sample Locations

Matador Production Company
Ray State Slot 3 TB
Incident Number: nAPP2513253339
Unit N, Section 36, T 23S, R 28E
Eddy County, New Mexico

FIGURE
3



TABLES

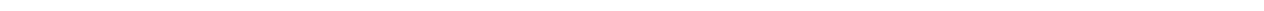


TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	5/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	230
SS01	5/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	387
SS02	5/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	5/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	244
SS03	5/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	5/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	5/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	5/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	5/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	360
SS06	5/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
SS06	5/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.3
SS07	5/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
SS07	5/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
SS08	5/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.5
SS08	5/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	261
BH01	5/20/2025	0	<0.0250	<0.0500	<20.0	135	157	135	292	11,900
BH01	5/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.2
BH01	5/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	931
BH01	6/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,150
BH02	6/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	12,300
BH02	6/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	485
BH02	6/4/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,910
BH02	6/4/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,690
BH02	6/4/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,160
BH03	6/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,100
BH03	6/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,940
BH03	6/4/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	714
BH03	6/4/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,580
BH03	6/4/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,340
BH03A	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,160
BH03A	3/25/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,010
BH03A	3/25/2026	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	840
BH03A	3/25/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	352

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
BH03B	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,380
BH03B	3/25/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,020
BH03B	3/25/2026	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	749
BH03B	3/25/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	391
BH03C	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060
BH03C	3/25/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,080
BH03C	3/25/2026	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	540
BH03C	3/25/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	325
BH04	6/4/2025	0	<0.0250	0.164	<20.0	1,850	457	1,850	2,307	36,500
BH04	6/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,470
BH04	6/4/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,540
BH04	6/4/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,140
BH04	6/4/2025	6.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	665
BH04A	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,690
BH04A	3/25/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060
BH04A	3/25/2026	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	743
BH04A	3/25/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	487
BH04B	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,300
BH04B	3/25/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,080
BH04B	3/25/2026	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	764
BH04B	3/25/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	379

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy 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	NE	100	600
Delineation Soil Samples										
BH04C	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,310
BH04C	3/25/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,300
BH04C	3/25/2026	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	844
BH04C	3/25/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	419
BH04D	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,060
BH04D	3/25/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,330
BH04D	3/25/2026	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	683
BH04D	3/25/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	417

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

"<": Laboratory Analytical result is less than reporting limit

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Background Soil Samples										
BG01*	6/25/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BG01*	6/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BG01*	6/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.7
BG01*	6/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.6
BG01*	6/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	113
BG01*	6/25/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	152
BG01*	6/25/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	257
BG01*	6/25/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	279
BG02*	6/25/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,160
BG02*	6/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,110
BG02*	6/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,910
BG02*	6/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,110
BG02*	6/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,600
BG02*	6/25/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,570
BG02*	6/25/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,620
BG02*	6/25/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,160
BG03*	6/25/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,990
BG03*	6/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,550
BG03*	6/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,610
BG03*	6/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,260
BG03*	6/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,090
BG03*	6/25/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	606
BG03*	6/25/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	451
BG03*	6/25/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	697

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Background Soil Samples										
BG04*	6/26/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.1
BG04*	6/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,560
BG04*	6/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,870
BG04*	6/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	909
BG04*	6/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCDC: New Mexico Oil Conservation Division

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"<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	2,740
Excavation Floor Soil Samples										
FS01	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	850
FS02	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,450
FS03	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,210
FS04	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,280
FS05	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,480
FS06	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,400
FS07	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,720
FS08	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	695
FS09	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,220
FS10	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,120
FS11	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,690
FS12	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,020
FS13	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,150
FS14	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,150
FS15	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,690
FS16	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,470
FS17	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	903
FS18	3/25/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,110
FS19	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	868
FS20	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,540
FS21	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,740
FS22	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,770
FS23	3/23/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	882

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCDC: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 4
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy 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	NE	100	2,740
Sidewall Soil Samples										
SW01	3/23/2026	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,910
SW02	3/23/2026	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,140

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

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NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Record and Log



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO (WELL NO) POD1		WELL TAG ID NO NA		OSE FILE NO(S) C 4901 POD1	
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS R347 N26th Rural Street 2nd Floor				CITY Artesia	STATE NM
					ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 15	SECONDS 12.89	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
LONGITUDE 104 03 23.87 W						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit B, Section 02, T 24S, R28E, Eddy County						

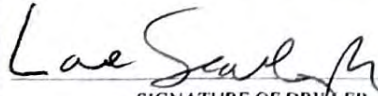
2. DRILLING & CASING INFORMATION	LICENSE NO WD1188		NAME OF LICENSED DRILLER John Scarborough			NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.		
	DRILLING STARTED 11/20/2024	DRILLING ENDED 11/20/2024	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) 52			
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 16		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	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	55	5.00	Soil Boring				

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				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 04/30/19)		
FILE NO	POD NO	TRN NO			
LOCATION	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	10	10	Sandy Clay w/ Gypsum, White to Red, very fine to medium grained	Y ✓ N	
	10	15	5	Sandy Clay w/ Gypsum, Red to Medium Brown, very fine to medium grained	Y ✓ N	
	15	20	5	Inter-bedded Silty sand and Gypsum, Medium Brown to Red, fine to medium	Y ✓ N	
	20	30	10	Fat Clay w/ Gypsum, Dark to Medium Brown, fine to coarse grained	Y ✓ N	
	30	40	10	Inter-bedded Silty sand and Gypsum, Dark to Medium Brown, fine to medium	Y ✓ N	
	40	50	10	Inter-bedded Silty sand and Gypsum, Dark to Medium Brown, fine to medium	Y ✓ N	
	50	51	1	Clay, Dark to Medium Brown, very fine to fine grained	Y ✓ N	
	51	52	1	Gypsum, Clear to white, small to large crystals	Y ✓ N	
	52	55	3	Clay, Dark to Medium Brown, very fine to fine grained	✓ Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					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):	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					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 material removed and soil boring backfilled using drill cuttings from total depth to 10 ft below ground surface (bgs), then hydrated bentonite chips 10 ft bgs to ground surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Scott Scarborough	


6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	 SIGNATURE OF DRILLER	Scott Scarborough PRINT SIGNEE NAME
		12/13/2024 DATE


FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)
FILE NO.	POD NO.	TRN NO.





APPENDIX B


Lithologic Soil Sampling Logs


					Sample Name: BH01		Date: 6/4/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.255217, -104.044235					Hole Diameter: 3"		Total Depth: 3 FT.	
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. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0	0	CCHE	Pad Claiche - Lt Brown to White, Fine to Coarse w/ Some Small to Large Gravel, Non-Plastic, Noncohesive, Non-Uniform
M			N	BH01	1	1		
D	1,058		N	BH01	2	2	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	1,440		N	BH01	3	3		
Total Depth @ 3 feet bgs.								


					Sample Name: BH02		Date: 6/4/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.255166, -104.044100					Hole Diameter: 3"		Total Depth: 8 FT.	
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. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			N	BH02	0	0		Pad Claiche - Lt Brown to White, Fine to Coarse w/ Some Small to Large Gravel, Non-Plastic, Noncohesive, Non-Uniform
M			N	BH02	1	1	CCHE	
M	660		N	BH02	2	2	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	660		N	BH02	3	3		
M	2,413		N	BH02	4	4		
M	2,587		N	BH02	5	5		
M	2,766		N	BH02	6	6		
M	1,204		N	BH02	7	7		
M	1,848		N	BH02	8	8		Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
Total Depth @ 8 feet bgs.								


					Sample Name: BH03		Date: 6/4/25			
					Site Name: Ray State Slot 3 TB					
					Incident Number: nAPP2513253339					
					Job Number: 03A2270099					
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger			
Coordinates: 32.255037, -104.044195					Hole Diameter: 3"		Total Depth: 7 FT.			
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. 40% correction factors included.										
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
M			Y	BH03	0	0	CCHE	Pad Claiche - Lt Brown to White, Fine to Coarse w/ Some Small to Large Gravel, Non-Plastic, Noncohesive, Non-Uniform		
M	>3,438		N	BH03	1	1	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.		
M			N	BH03	2	2				
M	1,607		N	BH03	3	3				
M	795		N	BH03	4	4				
M	2,256		N	BH03	5	5				
M	3,192		N	BH03	6	6				
M	2,111		N	BH03	7	7				
Total Depth @ 7 feet bgs.										


						Sample Name: BH03A		Date: 3/25/26	
						Site Name: Ray State Slot 3 TB			
						Incident Number: nAPP2513253339			
						Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: Jarad McCauley		Method: Hand Auger	
Coordinates: 32.254990, -104.044175						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. 40% correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M	1,551	74	N	BH03A	1	1	SW-SM	Excavation	
D	1,249	68	N	BH03A	2	2		Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.	
D	560	62	N	BH03A	3	3			
D	263	61	N	BH03A	4	4			
Total Depth @ 4 feet bgs.									


						Sample Name: BH03B		Date: 3/25/26	
						Site Name: Ray State Slot 3 TB			
						Incident Number: nAPP2513253339			
						Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: Jarad McCauley		Method: Hand Auger	
Coordinates: 32.254969, -104.044210						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. 40% correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M	1,663	80	N	BH03B	1	1	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.	
D	1,159	70	N	BH03B	2	2			
D	504	26	N	BH03B	3	3			
D	<157	55	N	BH03B	4	4			
Total Depth @ 4 feet bgs.									


						Sample Name: BH03C		Date: 3/25/26	
						Site Name: Ray State Slot 3 TB			
						Incident Number: nAPP2513253339			
						Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: Jarad McCauley		Method: Hand Auger	
Coordinates: 32.254989, -104.044235						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. 40% correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M	1,344	89	N	BH03C	1	1	SW-SM	Excavation	
D	1,159	80	N	BH03C	2	2		Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.	
D	834	92	N	BH03C	3	3			
D	224	42	N	BH03C	4	4			
Total Depth @ 4 feet bgs.									


					Sample Name: BH04		Date: 6/4/25			
					Site Name: Ray State Slot 3 TB					
					Incident Number: nAPP2513253339					
					Job Number: 03A2270099					
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger			
Coordinates: 32.255119, -104.044206					Hole Diameter: 3"		Total Depth: 6.5 FT.			
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. 40% correction factors included.										
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
M			N	BH04	0	0	CCHE	Pad Claiche - Lt Brown to White, Fine to Coarse w/ Some Small to Large Gravel, Non-Plastic, Noncohesive, Non-Uniform		
M			N	BH04	1	1				
M			N	BH04	2	2	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.		
M			N	BH04	3	3				
M	1,848		N	BH04	4	4				
M	1,114		N	BH04	5	5				
M	2,111		N	BH04	6	6				
M	1,246		N	BH04	6.5					
Total Depth @ 6.5 bgs.										


						Sample Name: BH04A		Date: 3/25/26	
						Site Name: Ray State Slot 3 TB			
						Incident Number: nAPP2513253339			
						Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: Jarad McCauley		Method: Hand Auger	
Coordinates: 32.255097, -104.044207						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. 40% correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M	1,781	91	N	BH04A	1	1	SW-SM	Excavation	
D	1,249	41	N	BH04A	2	2		Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.	
D	689	94	N	BH04A	3	3			
D	347	92	N	BH04A	4	4			
Total Depth @ 4 feet bgs.									


						Sample Name: BH04B		Date: 3/25/26	
						Site Name: Ray State Slot 3 TB			
						Incident Number: nAPP2513253339			
						Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: Jarad McCauley		Method: Hand Auger	
Coordinates: 32.255063, -104.044167						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. 40% correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M	1,249	42	N	BH04B	1	1	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.	
D	1,075	52	N	BH04B	2	2			
D	907	82	N	BH04B	3	3			
D	448	12	N	BH04B	4	4			
Total Depth @ 4 feet bgs.									


						Sample Name: BH04C		Date: 3/25/26	
						Site Name: Ray State Slot 3 TB			
						Incident Number: nAPP2513253339			
						Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: Jarad McCauley		Method: Hand Auger	
Coordinates: 32.255033, -104.044201						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. 40% correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M	1,551	56	N	BH04C	1	1	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.	
D	1,159	40	N	BH04C	2	2			
D	834	85	N	BH04C	3	3			
D	448	46	N	BH04C	4	4			
Total Depth @ 4 feet bgs.									

						Sample Name: BH04D		Date: 3/25/26	
						Site Name: Ray State Slot 3 TB			
						Incident Number: nAPP2513253339			
						Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: Jarad McCauley		Method: Hand Auger	
Coordinates: 32.255063, -104.044231						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. 40% correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M	1,781	82	N	BH04D	1	1	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.	
D	1,249	38	N	BH04D	2	2			
D	762	27	N	BH04D	3	3			
D	504	52	N	BH04D	4	4			
Total Depth @ 4 feet bgs.									

					Sample Name: BG01		Date: 6/25/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.254065, -104.046656					Hole Diameter: 3"		Total Depth: 7 FT.	
Comments: Field screening conducted with HACH Chloride Test Strips and Petrofsg® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. TPH field screen readings exceed Site Criteria are indicative of biological matter within the soil sample. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	ND	108	N	BG01	0	0	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	ND		N	BG01	1	1	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Dry, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	ND		N	BG01	2	2		
M	ND		N	BG01	3	3	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Dry, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	224		N	BG01	4	4		
M	296		N	BG01	5	5		
M	593		N	BG01	6	6		
M	431		N	BG01	7	7		
Total Depth @ 7 feet bgs.								

					Sample Name: BG02		Date: 6/25/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.254388, -104.043498					Hole Diameter: 3"		Total Depth: 7 FT.	
Comments: Field screening conducted with HACH Chloride Test Strips and Petrofsg® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. TPH field screen readings exceed Site Criteria are indicative of biological matter within the soil sample. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	1,195	33	N	BG02	0	0		
M	>3,413		N	BG02	1	1	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	2,096		N	BG02	2	2		
M	1,106		N	BG02	3	3	SW-SM	
M	2,241		N	BG02	4	4		Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	2,241		N	BG02	5	5	SM	
M	2,096		N	BG02	6	6		
M	2,746	33	N	BG02	7	7		
Total Depth @ 7 feet bgs.								

					Sample Name: BG03		Date: 6/25/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.254826, -104.043221					Hole Diameter: 3"		Total Depth: 7 FT.	
Comments: Field screening conducted with HACH Chloride Test Strips and Petrofsg [®] for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. TPH field screen readings exceed Site Criteria are indicative of biological matter within the soil sample. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	>3,414	208	N	BG03	0	0	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	3,414		N	BG03	1	1		
M	1,232		N	BG03	2	2		
M	1,233		N	BG03	3	3		
M	1,290		N	BG03	4	4	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	717		N	BG03	5	5		
M	534		N	BG03	6	6		
M	790		N	BG03	7	7		
Total Depth @ 7 feet bgs.								

					Sample Name: BG04		Date: 6/26/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.254997, -104.043037					Hole Diameter: 3"		Total Depth: 4 FT.	
Comments: Field screening conducted with HACH Chloride Test Strips and Petroflsg® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. TPH field screen readings exceed Site Criteria are indicative of biological matter within the soil sample. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	ND		N	BG04	0	0	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	1,712		N	BG04	1	1		
M	2,241		N	BG04	2	2	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	1,195		N	BG04	3	3		
M	ND	80	N	BG04	4	4		
Total Depth @ 4 feet bgs.								

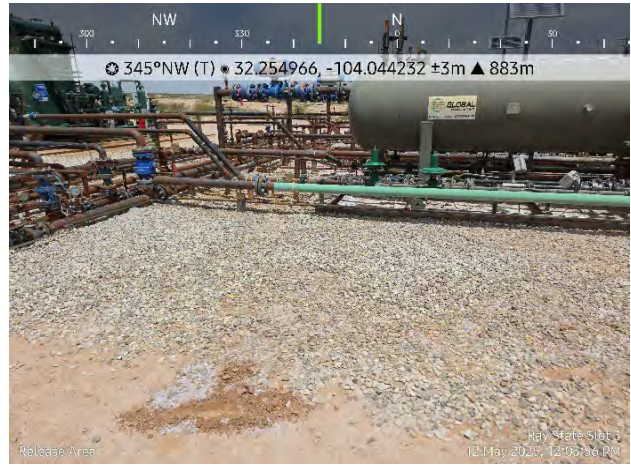


APPENDIX C

Photographic Log

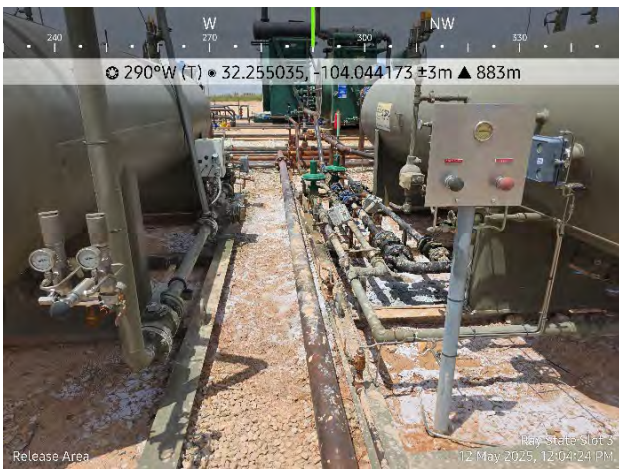


Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 1 Date: 5/19/2025
Description: Lease sign
View: Southeast

Photograph 2 Date: 5/12/2025
Description: Release Area
View: North



Photograph 3 Date: 5/12/2025
Description: Release Area
View: Northwest

Photograph 4 Date: 5/12/2025
Description: Release Area
View: South



Photographic Log
 Matador Production Company
 Ray State Slot 3 TB
 nAPP2513253339



Photograph 5
 Description: Release Area
 View: East

Date: 5/12/2025



Photograph 6
 Description: SS03
 View: Northeast

Date: 5/19/2025



Photograph 7
 Description: SS07
 View: Southwest

Date: 5/19/2025



Photograph 8
 Description: SS01
 View: West

Date: 5/20/2025



Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



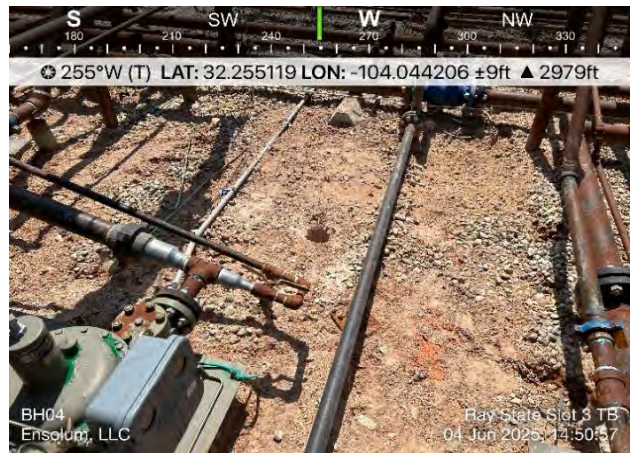
Photograph 9 Date: 5/20/2025
Description: BH01
View: Southeast



Photograph 10 Date: 6/4/2025
Description: BH02
View: Southwest



Photograph 11 Date: 6/4/2025
Description: BH03
View: Northwest



Photograph 12 Date: 6/4/2025
Description: BH04
View: West



Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 13 Date: 6/25/2025
Description: BG01
View: Southwest

Photograph 14 Date: 6/25/2025
Description: BG02
View: North



Photograph 15 Date: 6/25/2025
Description: BG03
View: North

Photograph 16 Date: 6/25/2025
Description: BG04
View: South



Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 17 Date: 9/12/2025
Description: Pad Overview
View: Southeast

Photograph 18 Date: 9/12/2025
Description: Pad Overview
View: South



Photograph 19 Date: 9/12/2025
Description: Pad Overview
View: Southwest

Photograph 20 Date: 9/12/2025
Description: Pad Overview
View: North



Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 21 Date: 3/19/2026
Description: Hydrovac Windowing
View: West

Photograph 22 Date: 3/19/2026
Description: Hydrovac Windowing
View: South



Photograph 23 Date: 3/20/2026
Description: Excavation
View: Northeast

Photograph 24 Date: 3/20/2026
Description: Excavation
View: Northeast



Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 25
Description: Hydrovac Activity
View: North



Photograph 26
Description: Excavation
View: North



Photograph 27
Description: Excavation
View: Northwest



Photograph 28
Description: Excavation
View: South



Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 29 Date: 3/24/2026
Description: Hydrovac Activity
View: East

Photograph 30 Date: 3/24/2026
Description: Hydrovac Activity
View: North

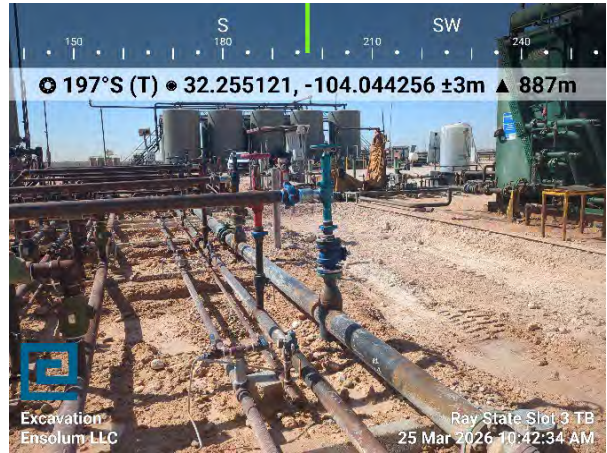
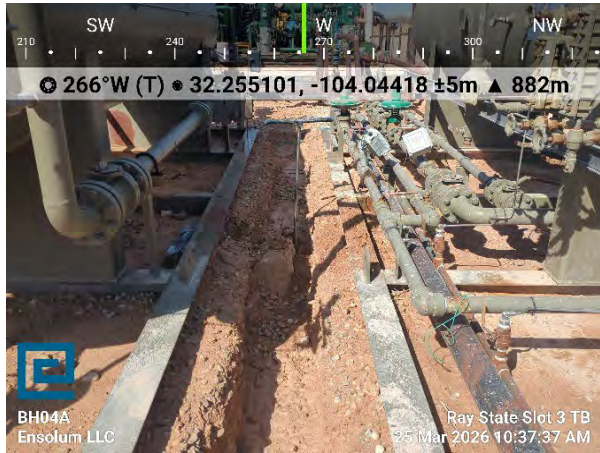


Photograph 31 Date: 3/24/2026
Description: Hydrovac Activity
View: Northeast

Photograph 32 Date: 3/24/2026
Description: Hydrovac Activity
View: Northeast

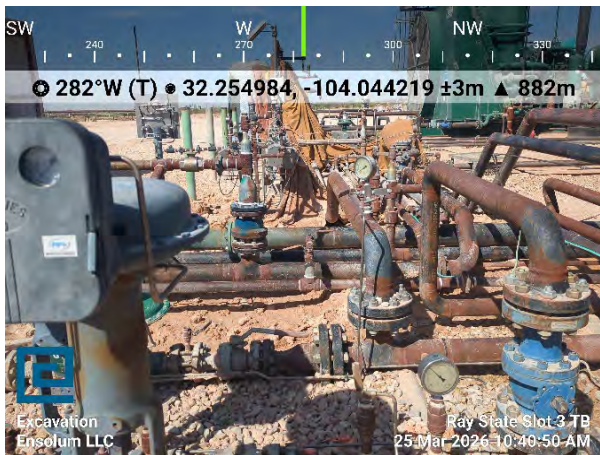


Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 33 Date: 3/25/2026
Description: Delineation (BH04A)
View: West

Photograph 34 Date: 3/25/2026
Description: Excavation
View: South



Photograph 35 Date: 3/25/2026
Description: Excavation
View: West

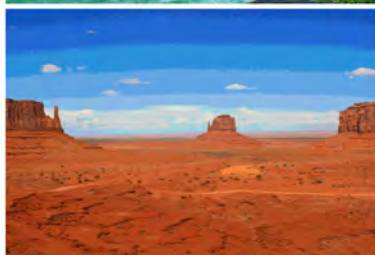
Photograph 36 Date: 3/25/2026
Description: Excavation
View: North



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: Ray State Slot 3 TB

Work Order: E505233

Job Number: 23003-0002

Received: 5/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 5/28/25

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

Project Name: Ray State Slot 3 TB
Workorder: E505233
Date Received: 5/21/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/21/2025 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/28/25 10:04
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS03-0'	E505233-01A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS03-1'	E505233-02A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS04-0'	E505233-03A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS04-1'	E505233-04A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS05-0'	E505233-05A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS06-0'	E505233-06A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS06-1'	E505233-07A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS03-0'

E505233-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2521133
Chloride	ND	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS03-1'

E505233-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	ND	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS04-0'

E505233-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	ND	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS04-1'

E505233-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	ND	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS05-0'

E505233-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	360	100	5	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS06-0'

E505233-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	ND	40.0	2	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS06-1'

E505233-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		98.4 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	28.3	20.0	1	05/23/25	05/23/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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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 (2521088-BLK1)

Prepared: 05/21/25 Analyzed: 05/23/25

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	8.35		8.00		104	70-130			

LCS (2521088-BS1)

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	4.81	0.0250	5.00		96.3	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130			
Toluene	4.81	0.0250	5.00		96.2	70-130			
o-Xylene	4.68	0.0250	5.00		93.7	70-130			
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130			
Total Xylenes	14.3	0.0250	15.0		95.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.65		8.00		108	70-130			

Matrix Spike (2521088-MS1)

Source: E505233-06

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	5.32	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.23	0.0250	5.00	ND	105	70-130			
Toluene	5.30	0.0250	5.00	ND	106	70-130			
o-Xylene	5.16	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.62		8.00		108	70-130			

Matrix Spike Dup (2521088-MSD1)

Source: E505233-06

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	5.55	0.0250	5.00	ND	111	70-130	4.31	27	
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130	4.41	26	
Toluene	5.54	0.0250	5.00	ND	111	70-130	4.38	20	
o-Xylene	5.40	0.0250	5.00	ND	108	70-130	4.43	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	4.42	23	
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130	4.42	26	
Surrogate: 4-Bromochlorobenzene-PID	8.62		8.00		108	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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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 (2521088-BLK1)

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		8.00		100	70-130			

LCS (2521088-BS2)

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			

Matrix Spike (2521088-MS2)

Source: E505233-06

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		103	70-130			

Matrix Spike Dup (2521088-MSD2)

Source: E505233-06

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	90.9	70-130	3.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.19		8.00		102	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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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 (2521106-BLK1)

Prepared: 05/21/25 Analyzed: 05/23/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.6		50.0		107	61-141			

LCS (2521106-BS1)

Prepared: 05/21/25 Analyzed: 05/24/25

Diesel Range Organics (C10-C28)	248	25.0	250		99.2	66-144			
Surrogate: n-Nonane	50.2		50.0		100	61-141			

Matrix Spike (2521106-MS1)

Source: E505231-03

Prepared: 05/21/25 Analyzed: 05/24/25

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	49.0		50.0		98.0	61-141			

Matrix Spike Dup (2521106-MSD1)

Source: E505231-03

Prepared: 05/21/25 Analyzed: 05/24/25

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	3.82	20	
Surrogate: n-Nonane	50.7		50.0		101	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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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 (2521133-BLK1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride ND 20.0

LCS (2521133-BS1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride 254 20.0 250 102 90-110

Matrix Spike (2521133-MS1)

Source: E505231-03

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride 257 20.0 250 ND 103 80-120

Matrix Spike Dup (2521133-MSD1)

Source: E505231-03

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride 257 20.0 250 ND 103 80-120 0.0836 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/28/25 10:04
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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: <u>PayState Site 3 TB</u>				Address: 3122 National Parks Hwy				<u>E505233</u>		<u>230030002</u>										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		
0905	5/18/2026	Soil	1	S503-0'		1								X						
1333				03-1'		2								X						
0907				04-0'		3								X						
1337				04-1'		4								X						
0910				05-0'		5								X						
0917				06-0'		6								X						
1408				06-1'		7								X						

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@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: Jenna Hinkle

Relinquished by: (Signature) <u>Jenna Hinkle</u>	Date 5-20-25	Time 1700	Received by: (Signature) <u>Larissa Ann Parker</u>	Date 5-20-25	Time 1600	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.
Relinquished by: (Signature) <u>Larissa Ann Parker</u>	Date 5-20-25	Time 2230	Received by: (Signature) <u>Caitlynn</u>	Date 5-21-25	Time 800	
Relinquished by: (Signature) <u>Caitlynn</u>	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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

Envirotech Analytical Laboratory

Printed: 5/21/2025 9:23:22AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 05/21/25 08:00 Work Order ID: E505233
Phone: (972) 371-5200 Date Logged In: 05/20/25 15:19 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 05/28/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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: Ray State Slot 3 TB

Work Order: E505239

Job Number: 23003-0002

Received: 5/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 5/28/25

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

Project Name: Ray State Slot 3 TB
Workorder: E505239
Date Received: 5/21/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/21/2025 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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Client Representative
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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: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/28/25 16:17
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07-1'	E505239-01A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS07-0'	E505239-02A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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SS07-1'

E505239-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2521087
Benzene	ND	0.0250	1	05/21/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/28/25	
Toluene	ND	0.0250	1	05/21/25	05/28/25	
o-Xylene	ND	0.0250	1	05/21/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/28/25	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	05/21/25	05/28/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	05/21/25	05/28/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	05/21/25	05/28/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2521087
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/28/25	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	05/21/25	05/28/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	05/21/25	05/28/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	05/21/25	05/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2521077
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/27/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	05/21/25	05/27/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2521134
Chloride	ND	100	5	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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SS07-0'

E505239-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2521087
Benzene	ND	0.0250	1	05/21/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/28/25	
Toluene	ND	0.0250	1	05/21/25	05/28/25	
o-Xylene	ND	0.0250	1	05/21/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/28/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/21/25	05/28/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	05/21/25	05/28/25	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	05/21/25	05/28/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2521087
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/28/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/21/25	05/28/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	05/21/25	05/28/25	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	05/21/25	05/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2521077
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/27/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	05/21/25	05/27/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2521134
Chloride	ND	100	5	05/23/25	05/23/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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Volatile Organic Compounds by EPA 8260B

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 (2521087-BLK1)

Prepared: 05/21/25 Analyzed: 05/23/25

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: Bromofluorobenzene	0.488		0.500		97.6		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8		70-130		
Surrogate: Toluene-d8	0.512		0.500		102		70-130		

LCS (2521087-BS1)

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	2.42	0.0250	2.50		96.8		70-130		
Ethylbenzene	2.43	0.0250	2.50		97.1		70-130		
Toluene	2.33	0.0250	2.50		93.3		70-130		
o-Xylene	2.33	0.0250	2.50		93.2		70-130		
p,m-Xylene	4.71	0.0500	5.00		94.2		70-130		
Total Xylenes	7.04	0.0250	7.50		93.9		70-130		
Surrogate: Bromofluorobenzene	0.504		0.500		101		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102		70-130		
Surrogate: Toluene-d8	0.494		0.500		98.8		70-130		

Matrix Spike (2521087-MS1)

Source: E505231-09

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	2.48	0.0250	2.50	ND	99.1		48-131		
Ethylbenzene	2.54	0.0250	2.50	ND	102		45-135		
Toluene	2.48	0.0250	2.50	ND	99.4		48-130		
o-Xylene	2.29	0.0250	2.50	ND	91.7		43-135		
p,m-Xylene	4.64	0.0500	5.00	ND	92.9		43-135		
Total Xylenes	6.94	0.0250	7.50	ND	92.5		43-135		
Surrogate: Bromofluorobenzene	0.481		0.500		96.1		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102		70-130		
Surrogate: Toluene-d8	0.513		0.500		103		70-130		

Matrix Spike Dup (2521087-MSD1)

Source: E505231-09

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	2.45	0.0250	2.50	ND	98.1		48-131	1.01	23
Ethylbenzene	2.50	0.0250	2.50	ND	99.8		45-135	1.79	27
Toluene	2.45	0.0250	2.50	ND	97.8		48-130	1.56	24
o-Xylene	2.29	0.0250	2.50	ND	91.7		43-135	0.0436	27
p,m-Xylene	4.65	0.0500	5.00	ND	92.9		43-135	0.0646	27
Total Xylenes	6.94	0.0250	7.50	ND	92.5		43-135	0.0288	27
Surrogate: Bromofluorobenzene	0.490		0.500		97.9		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6		70-130		
Surrogate: Toluene-d8	0.517		0.500		103		70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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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 (2521087-BLK1)

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2521087-BS2)

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	52.7	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike (2521087-MS2)

Source: E505231-09

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

Matrix Spike Dup (2521087-MSD2)

Source: E505231-09

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	3.08	20	
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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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 (2521077-BLK1)

Prepared: 05/21/25 Analyzed: 05/27/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.2		50.0		110	61-141			

LCS (2521077-BS1)

Prepared: 05/21/25 Analyzed: 05/27/25

Diesel Range Organics (C10-C28)	291	25.0	250		116	66-144			
Surrogate: <i>n</i> -Nonane	51.3		50.0		103	61-141			

Matrix Spike (2521077-MS1)

Source: E505238-02

Prepared: 05/21/25 Analyzed: 05/27/25

Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156			
Surrogate: <i>n</i> -Nonane	55.5		50.0		111	61-141			

Matrix Spike Dup (2521077-MSD1)

Source: E505238-02

Prepared: 05/21/25 Analyzed: 05/27/25

Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	56-156	3.33	20	
Surrogate: <i>n</i> -Nonane	56.5		50.0		113	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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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 (2521134-BLK1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	ND	20.0							
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LCS (2521134-BS1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	253	20.0	250		101	90-110			
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Matrix Spike (2521134-MS1)

Source: E505234-04

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	345	20.0	250	86.8	103	80-120			
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Matrix Spike Dup (2521134-MSD1)

Source: E505234-04

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	335	20.0	250	86.8	99.2	80-120	2.87	20	
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/28/25 16:17
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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: <u>Ray State Sert 3 TB</u>				Address: 3122 National Parks Hwy				<u>E505239</u>		<u>23018-0002</u>					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: 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	IGDOOC - NM	IGDOOC - TX	SDWA	CWA	RCRA		
1452	5/19/25	Soil	1	SS07-1'		1														
1255	5/19/25	Soil	1	SS07-0'		2														

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, rrai@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.

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.
<u>Jenna Hinkle</u>		5/19/25	09:00	<u>Carolina Park</u>		5.20.25	1045	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	
<u>Carolina Park</u>		5.20.25	1700	<u>J.M.</u>		5.20.25	1600	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	
<u>J.M.</u>		5.20.25	2230	<u>Carly Ann</u>		5.21.25	800	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only
								Received on ice:
								<u>Y</u> /N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 5/21/2025 9:53:25AM

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: 05/21/25 08:00	Work Order ID: E505239
Phone: (972) 371-5200	Date Logged In: 05/20/25 15:36	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 05/28/25 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

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

Comments/Resolution

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: Ray State Slot 3 TB

Work Order: E505247

Job Number: 23003-0002

Received: 5/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/29/25

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: 5/29/25

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

Project Name: Ray State Slot 3 TB
Workorder: E505247
Date Received: 5/22/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/22/2025 6:45:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/29/25 10:48
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E505247-01A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
SS01-1'	E505247-02A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
SS02-0'	E505247-03A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
SS02-1'	E505247-04A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
SS08-0'	E505247-05A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
SS08-1'	E505247-06A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
BH01-0'	E505247-07A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
BH01-1'	E505247-08A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
BH01-2'	E505247-09A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS01-0'

E505247-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.3 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2521137
Chloride	230	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS01-1'

E505247-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.8 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	387	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS02-0'

E505247-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.4 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>						
		117 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	ND	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS02-1'

E505247-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.9 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	244	20.0	1	05/23/25	05/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS08-0'

E505247-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.1 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.8 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	61.5	20.0	1	05/23/25	05/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS08-1'

E505247-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.9 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	261	20.0	1	05/23/25	05/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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BH01-0'
E505247-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.0 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	135	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	157	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	11900	200	10	05/23/25	05/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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BH01-1'
E505247-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/24/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	05/23/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	74.2	20.0	1	05/23/25	05/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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BH01-2'

E505247-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.0 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/24/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	05/23/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	931	20.0	1	05/23/25	05/24/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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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 (2521114-BLK1)

Prepared: 05/22/25 Analyzed: 05/24/25

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	6.99		8.00		87.4	70-130			

LCS (2521114-BS1)

Prepared: 05/22/25 Analyzed: 05/24/25

Benzene	4.30	0.0250	5.00		86.1	70-130			
Ethylbenzene	4.40	0.0250	5.00		88.0	70-130			
Toluene	4.41	0.0250	5.00		88.2	70-130			
o-Xylene	4.36	0.0250	5.00		87.2	70-130			
p,m-Xylene	8.93	0.0500	10.0		89.3	70-130			
Total Xylenes	13.3	0.0250	15.0		88.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.13		8.00		89.2	70-130			

Matrix Spike (2521114-MS1)

Source: E505247-07

Prepared: 05/22/25 Analyzed: 05/24/25

Benzene	5.55	0.0250	5.00	ND	111	70-130			
Ethylbenzene	5.63	0.0250	5.00	ND	113	70-130			
Toluene	5.67	0.0250	5.00	ND	113	70-130			
o-Xylene	5.59	0.0250	5.00	ND	112	70-130			
p,m-Xylene	11.3	0.0500	10.0	ND	113	70-130			
Total Xylenes	16.9	0.0250	15.0	ND	113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.02		8.00		87.8	70-130			

Matrix Spike Dup (2521114-MSD1)

Source: E505247-07

Prepared: 05/22/25 Analyzed: 05/24/25

Benzene	5.21	0.0250	5.00	ND	104	70-130	6.28	27	
Ethylbenzene	5.35	0.0250	5.00	ND	107	70-130	5.26	26	
Toluene	5.34	0.0250	5.00	ND	107	70-130	5.95	20	
o-Xylene	5.29	0.0250	5.00	ND	106	70-130	5.53	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	4.84	23	
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130	5.07	26	
Surrogate: 4-Bromochlorobenzene-PID	7.05		8.00		88.1	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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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 (2521114-BLK1)

Prepared: 05/22/25 Analyzed: 05/24/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

LCS (2521114-BS2)

Prepared: 05/22/25 Analyzed: 05/27/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.7	70-130			

Matrix Spike (2521114-MS2)

Source: E505247-07

Prepared: 05/22/25 Analyzed: 05/24/25

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2521114-MSD2)

Source: E505247-07

Prepared: 05/22/25 Analyzed: 05/24/25

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130	8.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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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 (2521144-BLK1)

Prepared: 05/23/25 Analyzed: 05/23/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	57.0		50.0		114	61-141			

LCS (2521144-BS1)

Prepared: 05/23/25 Analyzed: 05/23/25

Diesel Range Organics (C10-C28)	302	25.0	250		121	66-144			
Surrogate: <i>n</i> -Nonane	55.3		50.0		111	61-141			

Matrix Spike (2521144-MS1)

Source: E505247-03

Prepared: 05/23/25 Analyzed: 05/23/25

Diesel Range Organics (C10-C28)	319	25.0	250	ND	127	56-156			
Surrogate: <i>n</i> -Nonane	59.7		50.0		119	61-141			

Matrix Spike Dup (2521144-MSD1)

Source: E505247-03

Prepared: 05/23/25 Analyzed: 05/23/25

Diesel Range Organics (C10-C28)	335	25.0	250	ND	134	56-156	4.98	20	
Surrogate: <i>n</i> -Nonane	58.4		50.0		117	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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Anions by EPA 300.0/9056A

Analyst: RAS

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 (2521137-BLK1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	ND	20.0							
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LCS (2521137-BS1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	259	20.0	250		103	90-110			
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Matrix Spike (2521137-MS1)

Source: E505247-03

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	272	20.0	250	ND	109	80-120			
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Matrix Spike Dup (2521137-MSD1)

Source: E505247-03

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	273	20.0	250	ND	109	80-120	0.341	20	
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/29/25 10:48
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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: <u>Ray State Site 3TB</u>				Address: 3122 National Parks Hwy				<u>E 505247</u>		<u>23003-0002</u>					X	X			
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agioveno@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	
1311	5/21/25	Soil	1	SS01-0'			1													
1315				01-1'			2													
1008				02-0'			3													
1014				02-1'			4													
1017				08-0'			5													
1023				08-1'			6													
1450				BH01-0'			7													
1502				01-1'			8													
1509				01-2'			9													

Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, rrai@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>Jenna Hinkle</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<u>Jenna Hinkle</u>	<u>5/21/25</u>	<u>6:57</u>	<u>Michelle Gonzalez</u>	<u>5-21-25</u>	<u>0657</u>						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<u>Michelle Gonzalez</u>	<u>5-21-25</u>	<u>1615</u>	<u>John H.</u>	<u>5-21-25</u>	<u>1645</u>						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<u>John H.</u>	<u>5-21-25</u>	<u>2300</u>	<u>Carla Moore</u>	<u>5-22-25</u>	<u>1045</u>						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 5/22/2025 7:39:11AM

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: 05/22/25 06:45 Work Order ID: E505247
Phone: (972) 371-5200 Date Logged In: 05/21/25 14:33 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 05/29/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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: Ray State Slot 3 TB

Work Order: E506035

Job Number: 23003-0002

Received: 6/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/12/25



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

Project Name: Ray State Slot 3 TB
Workorder: E506035
Date Received: 6/6/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2025 6:45:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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

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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: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/12/25 08:52
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-3'	E506035-01A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH02-0'	E506035-02A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH02-2'	E506035-03A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH02-4'	E506035-04A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH02-6'	E506035-05A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH02-8'	E506035-06A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH03-0'	E506035-07A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH03-2'	E506035-08A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH03-4'	E506035-09A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH03-6'	E506035-10A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH03-7'	E506035-11A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH04-0'	E506035-12A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH04-2'	E506035-13A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH04-4'	E506035-14A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH04-6'	E506035-15A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH04-6.5'	E506035-16A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH01-3'
E506035-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.9 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1150	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH02-0'
E506035-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.0 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	12300	400	20	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH02-2'
E506035-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.8 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		110 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	485	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH02-4'
E506035-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.2 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1910	40.0	2	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH02-6'
E506035-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	2690	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH02-8'
E506035-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.8 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	2160	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH03-0'
E506035-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	14100	400	20	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH03-2'
E506035-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.6 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	7940	200	10	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH03-4'
E506035-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.9 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	714	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH03-6'
E506035-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.0 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1580	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH03-7'

E506035-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.9 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1340	200	10	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH04-0'
E506035-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	0.0809	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	0.0832	0.0500	1	06/06/25	06/06/25	
Total Xylenes	0.164	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	1850	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	457	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	36500	1000	50	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH04-2'
E506035-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.0 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	6470	200	10	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH04-4'
E506035-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1540	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH04-6'
E506035-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1140	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH04-6.5'

E506035-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.2 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	665	20.0	1	06/06/25	06/07/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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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 (2523144-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.29		8.00		104	70-130			

LCS (2523144-BS1)

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

Benzene	4.53	0.0250	5.00		90.6	70-130			
Ethylbenzene	4.55	0.0250	5.00		91.0	70-130			
Toluene	4.50	0.0250	5.00		90.1	70-130			
o-Xylene	4.56	0.0250	5.00		91.2	70-130			
p,m-Xylene	8.91	0.0500	10.0		89.1	70-130			
Total Xylenes	13.5	0.0250	15.0		89.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.42		8.00		105	70-130			

Matrix Spike (2523144-MS1)

Source: E506035-08

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

Benzene	4.90	0.0250	5.00	ND	97.9	70-130			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	70-130			
Toluene	4.87	0.0250	5.00	ND	97.4	70-130			
o-Xylene	4.89	0.0250	5.00	ND	97.9	70-130			
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			

Matrix Spike Dup (2523144-MSD1)

Source: E506035-08

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

Benzene	4.89	0.0250	5.00	ND	97.7	70-130	0.208	27	
Ethylbenzene	4.91	0.0250	5.00	ND	98.1	70-130	0.122	26	
Toluene	4.86	0.0250	5.00	ND	97.1	70-130	0.231	20	
o-Xylene	4.89	0.0250	5.00	ND	97.7	70-130	0.168	25	
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	70-130	0.201	23	
Total Xylenes	14.5	0.0250	15.0	ND	96.5	70-130	0.190	26	
Surrogate: 4-Bromochlorobenzene-PID	8.48		8.00		106	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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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 (2523144-BLK1)

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

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

LCS (2523144-BS2)

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

Gasoline Range Organics (C6-C10)	36.8	20.0	50.0		73.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2523144-MS2)

Source: E506035-08

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

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

Matrix Spike Dup (2523144-MSD2)

Source: E506035-08

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

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	0.219	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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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 (2523138-BLK1)

Prepared: 06/06/25 Analyzed: 06/07/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.0		50.0		106	61-141			

LCS (2523138-BS1)

Prepared: 06/06/25 Analyzed: 06/07/25

Diesel Range Organics (C10-C28)	282	25.0	250		113	66-144			
Surrogate: <i>n</i> -Nonane	51.8		50.0		104	61-141			

Matrix Spike (2523138-MS1)

Source: E506035-05

Prepared: 06/06/25 Analyzed: 06/07/25

Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156			
Surrogate: <i>n</i> -Nonane	53.3		50.0		107	61-141			

Matrix Spike Dup (2523138-MSD1)

Source: E506035-05

Prepared: 06/06/25 Analyzed: 06/07/25

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156	0.391	20	
Surrogate: <i>n</i> -Nonane	54.0		50.0		108	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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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 (2523152-BLK1)

Prepared: 06/06/25 Analyzed: 06/07/25

Chloride	ND	20.0							
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LCS (2523152-BS1)

Prepared: 06/06/25 Analyzed: 06/07/25

Chloride	250	20.0	250		100	90-110			
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Matrix Spike (2523152-MS1)

Source: E506035-05

Prepared: 06/06/25 Analyzed: 06/07/25

Chloride	2920	20.0	250	2690	92.1	80-120			
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Matrix Spike Dup (2523152-MSD1)

Source: E506035-05

Prepared: 06/06/25 Analyzed: 06/07/25

Chloride	2880	20.0	250	2690	76.3	80-120	1.36	20	M4
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/12/25 08:52
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E506035		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
945	6/4/25	soil	1	BH01-3'		1								X		3.9			
949				02-0'		2								X		2.7			
958				02-2'		3								X		2.9			
1252				02-4'		4								X		4.4			
1326				02-6'		5								X		2.3			
1408				02-7'		6								X		2.1			
1000				03-0'		7								X		4.0			
1012				03-2'		8								X		3.9			
1255				03-4'		9								X		4.4			
1334				03-6'		10								X		4.8			
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: Israel Estrella																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: 0/N							
<i>[Signature]</i>		6/5/25		7:11		<i>Michelle Gonzales</i>		6-5-25		0711									
<i>Michelle Gonzales</i>		6-5-25		1615		<i>[Signature]</i>		6-5-25		1615									
<i>[Signature]</i>		6-5-25		2330		<i>Noe Sato</i>		6-6-25		0645									
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.																			

Released to Imaging: 5/18/2026 11:36:48 AM

Received by OCD: 5/11/2026 1:56:36 PM

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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				ES06035		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														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	EGDOC - NM	EGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
1336	6/4/25	soil	1	B#03-7'		11								X		2.3			
1020				B#04-0'		12								X		2.9			
1028				04-2'		13								X		3.3			
1102				04-4'		14								X		3.7			
1340				04-6'		15								X		3.4			
1342				04-6.5'		16								X		3.8			
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: Israel Estrella																			
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed 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			
				6/5/25		7:11		Michelle Gonzalez				6-5-25		0711					
Michelle Gonzalez				6-5-25		1615						6-5-25		1615					
				6-5-25		2330		Nee Soto				6-6-25		0645					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

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Envirotech Analytical Laboratory

Printed: 6/6/2025 9:45:25AM

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: 06/06/25 06:45 Work Order ID: E506035
Phone: (972) 371-5200 Date Logged In: 06/05/25 15:07 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 06/12/25 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? No
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.

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

Empty box for client instruction.

Comments/Resolution

Visible whiteout on COC.

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

Date



envirotech Inc.



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 Name: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E506035		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 9000	TCEQ 1005 - TX	RCRA 8 Metals	BEDOC - NM	BEDOC - TX	SDWA	CWA	RCRA	
945	6/4/25	soil	1	BIT01-3'		1								X					
949				02-0'		2								X					
958				02-2'		3								X					
1252				02-4'		4								X					
1326				02-6'		5								X					
1408				02-7 th 8'		6								X					
1000				03-0'		7								X					
1012				03-2'		8								X					
1255				03-4'		9								X					
1334				03-6'		10								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmbir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: 0/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.																			



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 Name: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				ES06035		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																			
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	TCED 1005 - TX	RCRA 8 Metals	BIGDOC - NM	BIGDOC - TX	Sample Temp	Remarks		
1336	6/4/25	soil	1	BH03-7'		11								X		2.3			
1020				BH04-0'		12								X		2.9			
1028				04-2'		13								X		3.3			
1102				04-4'		14								X		3.7			
1340				04-6'		15								X		3.4			
1342				04-6.5'		16								X		3.8			
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: Israel Estrella																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed 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											
<i>[Signature]</i>		6/5/25	7:11	Michelle Gonzales		6-5-25	0711												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
<i>Michelle Gonzales</i>		6-5-25	1615	<i>[Signature]</i>		6-5-25	1615												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
<i>[Signature]</i>		6-5-25	2330	Noe Soto		6-6-25	0645												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Ray State Slot 3 TB

Work Order: E506269

Job Number: 23003-0002

Received: 6/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/3/25

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: 7/3/25

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

Project Name: Ray State Slot 3 TB
Workorder: E506269
Date Received: 6/27/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/27/2025 7:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/03/25 13:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG01-0'	E506269-01A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-1'	E506269-02A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-2'	E506269-03A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-3'	E506269-04A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-4'	E506269-05A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-5'	E506269-06A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-6'	E506269-07A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-7'	E506269-08A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-0'	E506269-09A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-1'	E506269-10A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-2'	E506269-11A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-3'	E506269-12A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-4'	E506269-13A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-5'	E506269-14A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-6'	E506269-15A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-7'	E506269-16A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-0'
E506269-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526167	
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.9 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526167	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.2 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2527041	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527048	
Chloride	ND	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-1'
E506269-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.7 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.3 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	ND	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-2'
E506269-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.7 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.4 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	20.7	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-3'
E506269-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.6 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.7 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	56.6	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-4'
E506269-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.4 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.4 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	113	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-5'
E506269-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.3 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.8 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	152	100	5	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-6'
E506269-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.3 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.1 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		99.5 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	257	100	5	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-7'
E506269-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.8 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.1 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	279	100	5	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-0'
E506269-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.6 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.5 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1160	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-1'

E506269-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.7 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		79.4 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	4110	40.0	2	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-2'
E506269-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.9 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.9 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1910	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-3'
E506269-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.5 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.4 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		114 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1110	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-4'
E506269-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.2 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.6 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1600	40.0	2	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-5'
E506269-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.9 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.1 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		109 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1570	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-6'
E506269-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.0 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.1 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1620	40.0	2	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-7'
E506269-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.1 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.5 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	2160	40.0	2	07/01/25	07/02/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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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 (2526167-BLK1)

Prepared: 06/28/25 Analyzed: 06/29/25

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	7.19		8.00		89.9	70-130			

LCS (2526167-BS1)

Prepared: 06/28/25 Analyzed: 06/29/25

Benzene	4.62	0.0250	5.00		92.3	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.5	70-130			
Toluene	4.63	0.0250	5.00		92.6	70-130			
o-Xylene	4.65	0.0250	5.00		93.0	70-130			
p,m-Xylene	9.28	0.0500	10.0		92.8	70-130			
Total Xylenes	13.9	0.0250	15.0		92.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.3	70-130			

Matrix Spike (2526167-MS1)

Source: E506269-03

Prepared: 06/28/25 Analyzed: 06/30/25

Benzene	4.65	0.0250	5.00	ND	93.0	70-130			
Ethylbenzene	4.64	0.0250	5.00	ND	92.7	70-130			
Toluene	4.66	0.0250	5.00	ND	93.2	70-130			
o-Xylene	4.67	0.0250	5.00	ND	93.4	70-130			
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	70-130			
Total Xylenes	14.0	0.0250	15.0	ND	93.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.6	70-130			

Matrix Spike Dup (2526167-MSD1)

Source: E506269-03

Prepared: 06/28/25 Analyzed: 06/30/25

Benzene	5.49	0.0250	5.00	ND	110	70-130	16.5	27	
Ethylbenzene	5.48	0.0250	5.00	ND	110	70-130	16.8	26	
Toluene	5.51	0.0250	5.00	ND	110	70-130	16.7	20	
o-Xylene	5.52	0.0250	5.00	ND	110	70-130	16.7	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	16.3	23	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	16.4	26	
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.7	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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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 (2526167-BLK1)

Prepared: 06/28/25 Analyzed: 06/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.3	70-130			

LCS (2526167-BS2)

Prepared: 06/28/25 Analyzed: 06/30/25

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.66		8.00		83.2	70-130			

Matrix Spike (2526167-MS2)

Source: E506269-03

Prepared: 06/28/25 Analyzed: 06/30/25

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130			

Matrix Spike Dup (2526167-MSD2)

Source: E506269-03

Prepared: 06/28/25 Analyzed: 06/30/25

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0	ND	80.9	70-130	4.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.36		8.00		79.5	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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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 (2527041-BLK1)

Prepared: 06/30/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.2		50.0		102	61-141			

LCS (2527041-BS1)

Prepared: 06/30/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	286	25.0	250		114	66-144			
Surrogate: n-Nonane	53.9		50.0		108	61-141			

Matrix Spike (2527041-MS1)

Source: E506269-11

Prepared: 06/30/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	53.2		50.0		106	61-141			

Matrix Spike Dup (2527041-MSD1)

Source: E506269-11

Prepared: 06/30/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156	4.03	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: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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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 (2527048-BLK1)

Prepared: 07/01/25 Analyzed: 07/02/25

Chloride	ND	20.0							
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LCS (2527048-BS1)

Prepared: 07/01/25 Analyzed: 07/02/25

Chloride	251	20.0	250		100	90-110			
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Matrix Spike (2527048-MS1)

Source: E506269-09

Prepared: 07/01/25 Analyzed: 07/02/25

Chloride	1290	20.0	250	1160	53.3	80-120			M4
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Matrix Spike Dup (2527048-MSD1)

Source: E506269-09

Prepared: 07/01/25 Analyzed: 07/02/25

Chloride	1350	20.0	250	1160	77.7	80-120	4.63	20	M4
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/03/25 13:06
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



230030002 On 6/27/25

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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E506219		01055					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220				City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055									
Address: 3122 National Parks Hwy				Phone: 575-988-0055				Email: agiovengo@ensolum.com		Miscellaneous:									
City, State, Zip: Carlsbad NM, 88220																			
Phone: 575-988-0055																			
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	
9:29	6/25/2025	Soil	1	BG01-0'		1								X					
9:32	6/25/2025	Soil	1	BG01-1'		2								X					
9:33	6/25/2025	Soil	1	BG01-2'		3								X					
9:35	6/25/2025	Soil	1	BG01-3'		4								X					
9:40	6/25/2025	Soil	1	BG01-4'		5								X					
9:42	6/25/2025	Soil	1	BG01-5'		6								X					
9:46	6/25/2025	Soil	1	BG01-6'		7								X					
10:15	6/25/2025	Soil	1	BG01-7'		8								X					

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

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

Sampled by: Gus Sanchez						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.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: (Y/N)					
<i>[Signature]</i>	6-26-25	7:18	<i>Michelle Gonzales</i>	6-26-25	0718						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	6-26-25	1620	<i>[Signature]</i>	6-26-25	1620						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>[Signature]</i>	6-26-25	2300	<i>Caitlynn</i>	6-27-25	700						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E50102109		230030002					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA			
11:42	6/25/2025	Soil	1	BG02-0'		9								X							
11:45	6/25/2025	Soil	1	BG02-1'		10								X							
11:47	6/25/2025	Soil	1	BG02-2'		11								X							
11:48	6/25/2025	Soil	1	BG02-3'		12								X							
12:12	6/25/2025	Soil	1	BG02-4'		13								X							
12:15	6/25/2025	Soil	1	BG02-5'		14								X							
12:18	6/25/2025	Soil	1	BG02-6'		15								X							
12:20	6/25/2025	Soil	1	BG02-7'		16								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: Gus Sanchez						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.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: Y/N					
<i>[Signature]</i>	6-26-25	7:18	Michelle Gonzales	6-26-25	0718						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	6-26-25	1620	<i>A.J.</i>	6-26-25	1620						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>A.J.</i>	6-26-25	2300	<i>Carly Mar</i>	6-27-25	700						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 6/27/2025 12:52:42PM

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: 06/27/25 07:00 Work Order ID: E506269
Phone: (972) 371-5200 Date Logged In: 06/26/25 16:12 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 07/03/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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: Ray State Slot 3 TB

Work Order: E506283

Job Number: 23003-0002

Received: 6/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/7/25

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: 7/7/25

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

Project Name: Ray State Slot 3 TB
Workorder: E506283
Date Received: 6/28/2025 9:30:58AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/28/2025 9:30:58AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/07/25 11:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG04-0'	E506283-01A	Soil	06/26/25	06/28/25	Glass Jar, 2 oz.
BG04-1'	E506283-02A	Soil	06/26/25	06/28/25	Glass Jar, 2 oz.
BG04-2'	E506283-03A	Soil	06/26/25	06/28/25	Glass Jar, 2 oz.
BG04-3'	E506283-04A	Soil	06/26/25	06/28/25	Glass Jar, 2 oz.
BG04-4'	E506283-05A	Soil	06/26/25	06/28/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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BG04-0'
E506283-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.3 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.4 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		118 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	37.1	20.0	1	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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BG04-1'
E506283-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2527060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	1560	100	5	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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BG04-2'
E506283-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.3 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		114 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	1870	40.0	2	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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BG04-3'
E506283-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.5 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	909	100	5	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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BG04-4'
E506283-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.4 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	ND	20.0	1	07/02/25	07/03/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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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 (2526172-BLK1)

Prepared: 06/28/25 Analyzed: 07/01/25

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 (2526172-BS1)

Prepared: 06/28/25 Analyzed: 07/02/25

Benzene	4.64	0.0250	5.00		92.8	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.64	0.0250	5.00		92.9	70-130			
o-Xylene	4.66	0.0250	5.00		93.1	70-130			
p,m-Xylene	9.43	0.0500	10.0		94.3	70-130			
Total Xylenes	14.1	0.0250	15.0		93.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

Matrix Spike (2526172-MS1)

Source: E506280-02

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	4.46	0.0250	5.00	ND	89.2	70-130			
Ethylbenzene	4.44	0.0250	5.00	ND	88.8	70-130			
Toluene	4.45	0.0250	5.00	ND	89.1	70-130			
o-Xylene	4.42	0.0250	5.00	ND	88.3	70-130			
p,m-Xylene	9.03	0.0500	10.0	ND	90.3	70-130			
Total Xylenes	13.4	0.0250	15.0	ND	89.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

Matrix Spike Dup (2526172-MSD1)

Source: E506280-02

Prepared: 06/28/25 Analyzed: 07/02/25

Benzene	5.16	0.0250	5.00	ND	103	70-130	14.5	27	
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130	14.5	26	
Toluene	5.15	0.0250	5.00	ND	103	70-130	14.6	20	
o-Xylene	5.11	0.0250	5.00	ND	102	70-130	14.6	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	14.5	23	
Total Xylenes	15.5	0.0250	15.0	ND	104	70-130	14.5	26	
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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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 (2526172-BLK1)

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.4	70-130			

LCS (2526172-BS2)

Prepared: 06/28/25 Analyzed: 07/02/25

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.50		8.00		106	70-130			

Matrix Spike (2526172-MS2)

Source: E506280-02

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2526172-MSD2)

Source: E506280-02

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	10.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.14		8.00		102	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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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 (2527060-BLK1)

Prepared: 07/02/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.1		50.0		106	61-141			

LCS (2527060-BS1)

Prepared: 07/02/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	281	25.0	250		113	66-144			
Surrogate: n-Nonane	54.9		50.0		110	61-141			

Matrix Spike (2527060-MS1)

Source: E506283-04

Prepared: 07/02/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	57.1		50.0		114	61-141			

Matrix Spike Dup (2527060-MSD1)

Source: E506283-04

Prepared: 07/02/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	56-156	4.50	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: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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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 (2527080-BLK1)

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride ND 20.0

LCS (2527080-BS1)

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride 256 20.0 250 103 90-110

Matrix Spike (2527080-MS1)

Source: E506280-03

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride 7620 100 250 7600 8.54 80-120 M4

Matrix Spike Dup (2527080-MSD1)

Source: E506280-03

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride 6400 100 250 7600 NR 80-120 17.5 20 M4

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/07/25 11:51
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E606283		4308-002					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/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCED 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
9:32	6/26/2025	Soil	1	BG04-0'			1								X		2.4			
9:34	6/26/2025	Soil	1	BG04-1'			2								X		2.0			
9:36	6/26/2025	Soil	1	BG04-2'			3								X		1.8			
9:40	6/26/2025	Soil	1	BG04-3'			4								X		2.1			
10:20	6/26/2025	Soil	1	BG04-4'			5								X		1.6			

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: Gus Sanchez						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"/> N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>[Signature]</i>	6-27-25	7:18	<i>Michelle Gonzales</i>	6-27-25	0718						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	6-27-25	1645	<i>[Signature]</i>	6-27-25	1730						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>[Signature]</i>	6-27-25	2400	<i>Carl Mar</i>	6-28-25	0930						
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: 6/30/2025 9:22:11AM

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: 06/28/25 09:30 Work Order ID: E506283
Phone: (972) 371-5200 Date Logged In: 06/27/25 15:23 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 07/07/25 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

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.

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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: Ray State Slot 3 TB

Work Order: E506284

Job Number: 23003-0002

Received: 6/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/7/25

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: 7/7/25



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

Project Name: Ray State Slot 3 TB
Workorder: E506284
Date Received: 6/28/2025 9:30:58AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/28/2025 9:30:58AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/07/25 16:30
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG03-0'	E506284-01A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-1'	E506284-02A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-2'	E506284-03A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-3'	E506284-04A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-4'	E506284-05A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-5'	E506284-06A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-6'	E506284-07A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-7'	E506284-08A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-0'
E506284-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.3 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2527115
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	9990	200	10	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-1'
E506284-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.5 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.5 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2527115
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
		98.1 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	2550	40.0	2	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-2'
E506284-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.1 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/03/25	
<i>Surrogate: n-Nonane</i>		98.4 %	61-141	06/30/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	1610	40.0	2	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-3'
E506284-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/03/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	06/30/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	1260	20.0	1	07/02/25	07/03/25	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-4'
E506284-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.3 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.8 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/30/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	1090	20.0	1	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-5'
E506284-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.6 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.1 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	606	40.0	2	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-6'
E506284-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.9 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	451	20.0	1	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-7'
E506284-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.8 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	697	20.0	1	07/02/25	07/03/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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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 (2526174-BLK1)

Prepared: 06/28/25 Analyzed: 07/01/25

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	7.67		8.00		95.9	70-130			

LCS (2526174-BS1)

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	4.73	0.0250	5.00		94.7	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.3	70-130			
Toluene	4.71	0.0250	5.00		94.2	70-130			
o-Xylene	4.71	0.0250	5.00		94.3	70-130			
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130			
Total Xylenes	14.2	0.0250	15.0		94.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike (2526174-MS1)

Source: E506282-03

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	4.47	0.0250	5.00	ND	89.5	70-130			
Ethylbenzene	4.45	0.0250	5.00	ND	89.0	70-130			
Toluene	4.47	0.0250	5.00	ND	89.4	70-130			
o-Xylene	4.46	0.0250	5.00	ND	89.2	70-130			
p,m-Xylene	9.06	0.0500	10.0	ND	90.6	70-130			
Total Xylenes	13.5	0.0250	15.0	ND	90.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

Matrix Spike Dup (2526174-MSD1)

Source: E506282-03

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	5.26	0.0250	5.00	ND	105	70-130	16.2	27	
Ethylbenzene	5.26	0.0250	5.00	ND	105	70-130	16.7	26	
Toluene	5.27	0.0250	5.00	ND	105	70-130	16.4	20	
o-Xylene	5.22	0.0250	5.00	ND	104	70-130	15.8	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	16.5	23	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	16.2	26	
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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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 (2526174-BLK1)

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		8.00		99.8	70-130			

LCS (2526174-BS2)

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0		98.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		8.00		103	70-130			

Matrix Spike (2526174-MS2)

Source: E506282-03

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			

Matrix Spike Dup (2526174-MSD2)

Source: E506282-03

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.1	70-130	5.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		103	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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 (2527042-BLK1)

Prepared: 06/30/25 Analyzed: 07/01/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.0		50.0		124	61-141			

LCS (2527042-BS1)

Prepared: 06/30/25 Analyzed: 07/01/25

Diesel Range Organics (C10-C28)	275	25.0	250		110	66-144			
Surrogate: n-Nonane	50.7		50.0		101	61-141			

Matrix Spike (2527042-MS1)

Source: E506276-05

Prepared: 06/30/25 Analyzed: 07/01/25

Diesel Range Organics (C10-C28)	2470	25.0	250	2470	2.37	56-156			M4
Surrogate: n-Nonane	64.0		50.0		128	61-141			

Matrix Spike Dup (2527042-MSD1)

Source: E506276-05

Prepared: 06/30/25 Analyzed: 07/01/25

Diesel Range Organics (C10-C28)	2570	25.0	250	2470	41.8	56-156	3.91	20	M4
Surrogate: n-Nonane	64.0		50.0		128	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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 (2527115-BLK1)

Prepared: 07/03/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.9		50.0		93.8	61-141			

LCS (2527115-BS1)

Prepared: 07/03/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	253	25.0	250		101	66-144			
Surrogate: n-Nonane	46.6		50.0		93.3	61-141			

Matrix Spike (2527115-MS1)

Source: E507005-01

Prepared: 07/03/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	48.7		50.0		97.5	61-141			

Matrix Spike Dup (2527115-MSD1)

Source: E507005-01

Prepared: 07/03/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	4.69	20	
Surrogate: n-Nonane	47.4		50.0		94.8	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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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 (2527080-BLK1)

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride	ND	20.0							
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LCS (2527080-BS1)

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride	256	20.0	250		103	90-110			
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Matrix Spike (2527080-MS1)

Source: E506280-03

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride	7620	100	250	7600	8.54	80-120			M4
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Matrix Spike Dup (2527080-MSD1)

Source: E506280-03

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride	6400	100	250	7600	NR	80-120	17.5	20	M4
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/07/25 16:30
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E501284		280030002					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	
12:29	6/25/2025	Soil	1	BG03-0'			1								x					2.6	
12:30	6/25/2025	Soil	1	BG03-1'			2								x					2.4	
12:32	6/25/2025	Soil	1	BG03-2'			3								x					3.0	
12:33	6/25/2025	Soil	1	BG03-3'			4								x					2.1	
12:35	6/25/2025	Soil	1	BG03-4'			5								x					2.4	
12:43	6/25/2025	Soil	1	BG03-5'			6								x					3.0	
12:50	6/25/2025	Soil	1	BG03-6'			7								x					2.8	
12:52	6/25/2025	Soil	1	BG03-7'			8								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: Gus Sanchez

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
<i>Gus Sanchez</i>	6-27-25	7:18	<i>Michelle Gonzales</i>	6-27-25	0718	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-27-25	1645	<i>Robert J. ...</i>	6-27-25	1730	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Robert J. ...</i>	6-27-25	2400	<i>Carth Ma</i>	6-28-25	930	
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: 6/30/2025 9:27:29AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 06/28/25 09:30 Work Order ID: E506284
Phone: (972) 371-5200 Date Logged In: 06/27/25 15:26 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 07/07/25 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

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/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

Empty box for 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 Production Company

Project Name: Ray State Slot 3 TB

Work Order: E603315

Job Number: 23003-0002

Received: 3/27/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/26

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 4/1/26

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

Project Name: Ray State Slot 3 TB
Workorder: E603315
Date Received: 3/27/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2026 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 11:48
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03A-1'	E603315-01A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH03A-2'	E603315-02A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH03A-3'	E603315-03A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH03A-4'	E603315-04A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:48:49AM
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BH03A-1'

E603315-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.1 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613139
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>						
		111 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	1160	20.0	1	03/27/26	03/27/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:48:49AM
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BH03A-2'

E603315-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.7 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613139
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>		114 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	1010	20.0	1	03/27/26	03/27/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:48:49AM
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BH03A-3'

E603315-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.6 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613139
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>		110 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	840	40.0	2	03/27/26	03/27/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:48:49AM
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BH03A-4'

E603315-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.1 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613139
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>		111 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	352	20.0	1	03/27/26	03/27/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:48:49AM
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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 (2613127-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

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	7.58		8.00		94.8	70-130			

LCS (2613127-BS1)

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.49	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.25	0.0250	5.00		85.0	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.24	0.0250	5.00		84.7	70-130			
p,m-Xylene	8.65	0.0500	10.0		86.5	70-130			
Total Xylenes	12.9	0.0250	15.0		85.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

Matrix Spike (2613127-MS1)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.89	0.0250	5.00	ND	97.7	70-130			
Ethylbenzene	4.65	0.0250	5.00	ND	92.9	70-130			
Toluene	4.77	0.0250	5.00	ND	95.4	70-130			
o-Xylene	4.63	0.0250	5.00	ND	92.6	70-130			
p,m-Xylene	9.45	0.0500	10.0	ND	94.5	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	93.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

Matrix Spike Dup (2613127-MSD1)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.89	0.0250	5.00	ND	97.8	70-130	0.0532	20	
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	70-130	0.194	20	
Toluene	4.78	0.0250	5.00	ND	95.5	70-130	0.126	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	70-130	0.117	20	
p,m-Xylene	9.48	0.0500	10.0	ND	94.8	70-130	0.375	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.1	70-130	0.290	20	
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:48:49AM
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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 (2613127-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130			

LCS (2613127-BS2)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.3	70-130			

Matrix Spike (2613127-MS2)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			

Matrix Spike Dup (2613127-MSD2)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	60-137	2.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:48:49AM
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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 (2613139-BLK1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.2		50.0		108	69-135			

LCS (2613139-BS1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	252	25.0	250		101	70-131			
Surrogate: <i>n</i> -Nonane	54.0		50.0		108	69-135			

Matrix Spike (2613139-MS1)

Source: E603306-01

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	62-151			
Surrogate: <i>n</i> -Nonane	55.0		50.0		110	69-135			

Matrix Spike Dup (2613139-MSD1)

Source: E603306-01

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	62-151	3.77	20	
Surrogate: <i>n</i> -Nonane	53.2		50.0		106	69-135			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:48:49AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2613143-BLK1)

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride	ND	20.0							
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LCS (2613143-BS1)

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride	263	20.0	250		105	90-110			
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Matrix Spike (2613143-MS1)

Source: E603316-04

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride	589	20.0	250	391	79.2	80-120			M2
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Matrix Spike Dup (2613143-MSD1)

Source: E603316-04

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride	647	20.0	250	391	103	80-120	9.47	20	
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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 Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 11:48
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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.



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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E003315		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	EGDOC - NM	EGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
930	3/25/2026	S	1	BH03A - 1'		1								X		0.6				
932	3/25/2026	S	1	BH03A - 2'		2								X		3.3				
936	3/25/2026	S	1	BH03A - 3'		3								X		3.1				
939	3/25/2026	S	1	BH03A - 4'		4								X		3.2				

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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) <u>M</u>	Date <u>03-25-26</u>	Time <u>14:37</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>3-26-26</u>	Time <u>0711</u>	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>3-26-26</u>	Time <u>1500</u>	Received by: (Signature) <u>Marianna Gonzales</u>	Date <u>3-26-26</u>	Time	
Relinquished by: (Signature) <u>Marianna Gonzales</u>	Date <u>3-26-26</u>	Time <u>1500</u>	Received by: (Signature) <u>Nathan Gonzales</u>	Date <u>3-26-26</u>	Time <u>1500</u>	
Relinquished by: (Signature) <u>Nathan Gonzales</u>	Date <u>3-26-26</u>	Time <u>1830</u>	Received by: (Signature) <u>Johnny Archuleta</u>	Date <u>3-26-26</u>	Time <u>1830</u>	
Relinquished by: (Signature) <u>Johnny Archuleta</u>	Date <u>3-26-26</u>	Time <u>22:30</u>	Received by: (Signature) <u>Carth Mc...</u>	Date <u>3-27-26</u>	Time <u>800</u>	

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: 3/27/2026 10:00:43AM

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 Production Company Date Received: 03/27/26 08:00 Work Order ID: E603315
Phone: (972) 371-5200 Date Logged In: 03/26/26 15:03 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 04/02/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Comments/Resolution box containing L-CM and R-NV.

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 Production Company

Project Name: Ray State Slot 3 TB

Work Order: E603316

Job Number: 23003-0002

Received: 3/27/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/26

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: 4/1/26

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

Project Name: Ray State Slot 3 TB
Workorder: E603316
Date Received: 3/27/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2026 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 11:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03B-1'	E603316-01A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH03B-2'	E603316-02A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH03B-3'	E603316-03A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH03B-4'	E603316-04A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:50:18AM
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BH03B-1'
E603316-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.6 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.0 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>						
		115 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	1380	20.0	1	03/27/26	03/27/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:50:18AM
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BH03B-2'

E603316-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.9 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>		115 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	1020	20.0	1	03/27/26	03/27/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:50:18AM
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BH03B-3'

E603316-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>		112 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	749	20.0	1	03/27/26	03/27/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:50:18AM
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BH03B-4'

E603316-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>		118 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	391	20.0	1	03/27/26	03/27/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:50:18AM
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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 (2613127-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

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	7.58		8.00		94.8	70-130			

LCS (2613127-BS1)

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.49	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.25	0.0250	5.00		85.0	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.24	0.0250	5.00		84.7	70-130			
p,m-Xylene	8.65	0.0500	10.0		86.5	70-130			
Total Xylenes	12.9	0.0250	15.0		85.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

Matrix Spike (2613127-MS1)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.89	0.0250	5.00	ND	97.7	70-130			
Ethylbenzene	4.65	0.0250	5.00	ND	92.9	70-130			
Toluene	4.77	0.0250	5.00	ND	95.4	70-130			
o-Xylene	4.63	0.0250	5.00	ND	92.6	70-130			
p,m-Xylene	9.45	0.0500	10.0	ND	94.5	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	93.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

Matrix Spike Dup (2613127-MSD1)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.89	0.0250	5.00	ND	97.8	70-130	0.0532	20	
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	70-130	0.194	20	
Toluene	4.78	0.0250	5.00	ND	95.5	70-130	0.126	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	70-130	0.117	20	
p,m-Xylene	9.48	0.0500	10.0	ND	94.8	70-130	0.375	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.1	70-130	0.290	20	
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:50:18AM
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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 (2613127-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130			

LCS (2613127-BS2)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.3	70-130			

Matrix Spike (2613127-MS2)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			

Matrix Spike Dup (2613127-MSD2)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	60-137	2.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:50:18AM
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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 (2613141-BLK1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.4		50.0		107	69-135			

LCS (2613141-BS1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	247	25.0	250		98.9	70-131			
Surrogate: n-Nonane	54.1		50.0		108	69-135			

Matrix Spike (2613141-MS1)

Source: E603317-04

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	62-151			
Surrogate: n-Nonane	54.7		50.0		109	69-135			

Matrix Spike Dup (2613141-MSD1)

Source: E603317-04

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	62-151	0.517	20	
Surrogate: n-Nonane	56.8		50.0		114	69-135			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:50:18AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2613143-BLK1)

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride ND 20.0

LCS (2613143-BS1)

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride 263 20.0 250 105 90-110

Matrix Spike (2613143-MS1)

Source: E603316-04

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride 589 20.0 250 391 79.2 80-120 M2

Matrix Spike Dup (2613143-MSD1)

Source: E603316-04

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride 647 20.0 250 391 103 80-120 9.47 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 Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 11:50
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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.



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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E1003316		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			
941	3/25/2026	S	1	BH03B - 1'		1								X						3.2		
943	3/25/2026	S	1	BH03B - 2'		2								X							3.3	
945	3/25/2026	S	1	BH03B - 3'		3								X							3.7	
949	3/25/2026	S	1	BH03B - 4'		4								X							4.4	

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, eplugge@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>Jarad McCauley</u>									
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.			
<i>Jarad McCauley</i>	03-25-26	14:37	<i>Michelle Gonzales</i>	3-26-26	0711				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time				
<i>Michelle Gonzales</i>	3-26-26	1500	<i>Martago Gonzales</i>	3-26-26					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time				
<i>Martago Gonzales</i>	3-26-26		<i>Nathan Gonzalez</i>	3-26-26	1500				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time				
<i>Nathan Gonzalez</i>	3-26-26	1830	<i>Johnny Archuleta</i>	3-26-26	1830				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time				
<i>Johnny Archuleta</i>	3-26-26	2230	<i>Auth Mann</i>	3-27-26	800				

Sample Matrix: g - 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: 3/27/2026 10:16:37AM

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 Production Company Date Received: 03/27/26 08:00 Work Order ID: E603316
Phone: (972) 371-5200 Date Logged In: 03/26/26 15:06 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 04/02/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Comments/Resolution box containing L-CM and R-NV.

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 Production Company

Project Name: Ray State Slot 3 TB

Work Order: E603317

Job Number: 23003-0002

Received: 3/27/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/26

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: 4/1/26

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



Project Name: Ray State Slot 3 TB
Workorder: E603317
Date Received: 3/27/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2026 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 11:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03C-1'	E603317-01A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH03C-2'	E603317-02A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH03C-3'	E603317-03A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH03C-4'	E603317-04A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:51:38AM
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BH03C-1'
E603317-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.6 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>						
		121 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	1060	20.0	1	03/27/26	03/27/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:51:38AM
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BH03C-2'

E603317-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>		118 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	1080	20.0	1	03/27/26	03/27/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:51:38AM
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BH03C-3'

E603317-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.0 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>		114 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	540	20.0	1	03/27/26	03/27/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:51:38AM
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BH03C-4'

E603317-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>		117 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	325	20.0	1	03/27/26	03/27/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:51:38AM
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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 (2613127-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

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	7.58		8.00		94.8	70-130			

LCS (2613127-BS1)

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.49	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.25	0.0250	5.00		85.0	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.24	0.0250	5.00		84.7	70-130			
p,m-Xylene	8.65	0.0500	10.0		86.5	70-130			
Total Xylenes	12.9	0.0250	15.0		85.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

Matrix Spike (2613127-MS1)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.89	0.0250	5.00	ND	97.7	70-130			
Ethylbenzene	4.65	0.0250	5.00	ND	92.9	70-130			
Toluene	4.77	0.0250	5.00	ND	95.4	70-130			
o-Xylene	4.63	0.0250	5.00	ND	92.6	70-130			
p,m-Xylene	9.45	0.0500	10.0	ND	94.5	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	93.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

Matrix Spike Dup (2613127-MSD1)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.89	0.0250	5.00	ND	97.8	70-130	0.0532	20	
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	70-130	0.194	20	
Toluene	4.78	0.0250	5.00	ND	95.5	70-130	0.126	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	70-130	0.117	20	
p,m-Xylene	9.48	0.0500	10.0	ND	94.8	70-130	0.375	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.1	70-130	0.290	20	
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:51:38AM
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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 (2613127-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130			

LCS (2613127-BS2)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.3	70-130			

Matrix Spike (2613127-MS2)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			

Matrix Spike Dup (2613127-MSD2)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	60-137	2.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:51:38AM
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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 (2613141-BLK1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	69-135			

LCS (2613141-BS1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	247	25.0	250		98.9	70-131			
Surrogate: <i>n</i> -Nonane	54.1		50.0		108	69-135			

Matrix Spike (2613141-MS1)

Source: E603317-04

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	62-151			
Surrogate: <i>n</i> -Nonane	54.7		50.0		109	69-135			

Matrix Spike Dup (2613141-MSD1)

Source: E603317-04

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	62-151	0.517	20	
Surrogate: <i>n</i> -Nonane	56.8		50.0		114	69-135			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 11:51:38AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2613143-BLK1)

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride ND 20.0

LCS (2613143-BS1)

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride 263 20.0 250 105 90-110

Matrix Spike (2613143-MS1)

Source: E603316-04

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride 589 20.0 250 391 79.2 80-120 M2

Matrix Spike Dup (2613143-MSD1)

Source: E603316-04

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride 647 20.0 250 391 103 80-120 9.47 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 Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 11:51
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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.



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: Ray State Slot 3 TB		Address: 3122 National Parks Hwy		E1003317	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 1006 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N			
952	3/25/2026	S	1	BH03C - 1'		1								X										4.4	
953	3/25/2026	S	1	BH03C - 2'		2								X										4.2	
958	3/25/2026	S	1	BH03C - 3'		3								X										3.9	
1001	3/25/2026	S	1	BH03C - 4'		4								X										3.7	

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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>Jarad McCauley</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Relinquished by: (Signature) <i>Jarad McCauley</i>	Date: 03-25-26	Time: 14:37	Received by: (Signature) <i>Michelle Gonzales</i>	Date: 3-26-26	Time: 0711	
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date: 3-26-26	Time: 1500	Received by: (Signature) <i>Mariassa Gonzales</i>	Date: 3-26-26	Time:	
Relinquished by: (Signature) <i>Mariassa Gonzales</i>	Date: 3-26-26	Time:	Received by: (Signature) <i>Nathan Gonzalez</i>	Date: 3-26-26	Time: 1500	
Relinquished by: (Signature) <i>Nathan Gonzalez</i>	Date: 3-26-26	Time: 1830	Received by: (Signature) <i>Johnny Archuleta</i>	Date: 3-26-26	Time: 1830	
Relinquished by: (Signature) <i>Johnny Archuleta</i>	Date: 3-26-26	Time: 0730	Received by: (Signature) <i>Cluth Man</i>	Date: 3-27-26	Time: 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: 3/27/2026 10:23:47AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Production Company	Date Received: 03/27/26 08:00	Work Order ID: E603317
Phone: (972) 371-5200	Date Logged In: 03/26/26 15:08	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 04/02/26 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

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

Comments/Resolution

L-CM
R-NV

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 Production Company

Project Name: Ray State Slot 3 TB

Work Order: E603318

Job Number: 23003-0002

Received: 3/27/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/26

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: 4/1/26

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



Project Name: Ray State Slot 3 TB
Workorder: E603318
Date Received: 3/27/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2026 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 12:15
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04A-1'	E603318-01A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04A-2'	E603318-02A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04A-3'	E603318-03A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04A-4'	E603318-04A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:15:15PM
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BH04A-1'

E603318-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>						
		118 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	1690	40.0	2	03/27/26	03/27/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:15:15PM
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BH04A-2'

E603318-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>		116 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	1060	20.0	1	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:15:15PM
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BH04A-3'

E603318-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/28/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/28/26	
Toluene	ND	0.0250	1	03/27/26	03/28/26	
o-Xylene	ND	0.0250	1	03/27/26	03/28/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/28/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/28/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/28/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	03/27/26	03/28/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>		116 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	743	20.0	1	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:15:15PM
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BH04A-4'

E603318-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/27/26	
<i>Surrogate: n-Nonane</i>		116 %	69-135	03/27/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613143
Chloride	487	20.0	1	03/27/26	03/30/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:15:15PM
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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 (2613127-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

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	7.58		8.00		94.8	70-130			

LCS (2613127-BS1)

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.49	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.25	0.0250	5.00		85.0	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.24	0.0250	5.00		84.7	70-130			
p,m-Xylene	8.65	0.0500	10.0		86.5	70-130			
Total Xylenes	12.9	0.0250	15.0		85.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

Matrix Spike (2613127-MS1)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.89	0.0250	5.00	ND	97.7	70-130			
Ethylbenzene	4.65	0.0250	5.00	ND	92.9	70-130			
Toluene	4.77	0.0250	5.00	ND	95.4	70-130			
o-Xylene	4.63	0.0250	5.00	ND	92.6	70-130			
p,m-Xylene	9.45	0.0500	10.0	ND	94.5	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	93.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

Matrix Spike Dup (2613127-MSD1)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.89	0.0250	5.00	ND	97.8	70-130	0.0532	20	
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	70-130	0.194	20	
Toluene	4.78	0.0250	5.00	ND	95.5	70-130	0.126	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	70-130	0.117	20	
p,m-Xylene	9.48	0.0500	10.0	ND	94.8	70-130	0.375	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.1	70-130	0.290	20	
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:15:15PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2613127-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130			

LCS (2613127-BS2)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.3	70-130			

Matrix Spike (2613127-MS2)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			

Matrix Spike Dup (2613127-MSD2)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	60-137	2.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:15:15PM
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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 (2613141-BLK1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	69-135			

LCS (2613141-BS1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	247	25.0	250		98.9	70-131			
Surrogate: <i>n</i> -Nonane	54.1		50.0		108	69-135			

Matrix Spike (2613141-MS1)

Source: E603317-04

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	62-151			
Surrogate: <i>n</i> -Nonane	54.7		50.0		109	69-135			

Matrix Spike Dup (2613141-MSD1)

Source: E603317-04

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	62-151	0.517	20	
Surrogate: <i>n</i> -Nonane	56.8		50.0		114	69-135			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:15:15PM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2613143-BLK1)

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride ND 20.0

LCS (2613143-BS1)

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride 263 20.0 250 105 90-110

Matrix Spike (2613143-MS1)

Source: E603316-04

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride 589 20.0 250 391 79.2 80-120 M2

Matrix Spike Dup (2613143-MSD1)

Source: E603316-04

Prepared: 03/27/26 Analyzed: 03/27/26

Chloride 647 20.0 250 391 103 80-120 9.47 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 Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 12:15
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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.



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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E103318		23003-0002					X	X			
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agioveno@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	PCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1004	3/25/2026	S	1	BH04A - 1'			1								X		3.7			
1007	3/25/2026	S	1	BH04A - 2'			2								X		4.6			
1009	3/25/2026	S	1	BH04A - 3'			3								X		3.7			
1012	3/25/2026	S	1	BH04A - 4'			4								X		3.8			

Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	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.					
<i>Jarad McCauley</i>	03-25-26	14:37	<i>Michelle Gonzales</i>	3-26-26	0711	<i>Michelle Gonzales</i>	3-26-26	1500	<i>Michelle Gonzales</i>	3-26-26		<i>Nathan Gonzales</i>	3-26-26	1500	<i>Nathan Gonzales</i>	3-26-26	1830				Lab Use Only		
<i>Michelle Gonzales</i>	3-26-26		<i>Michelle Gonzales</i>	3-26-26		<i>Nathan Gonzales</i>	3-26-26		<i>Johnny Archuleta</i>	3-26-26		<i>Johnny Archuleta</i>	3-26-26		<i>Johnny Archuleta</i>	3-26-26					Received on ice:		
<i>Nathan Gonzales</i>	3-26-26		<i>Nathan Gonzales</i>	3-26-26		<i>Johnny Archuleta</i>	3-26-26		<i>Cluth Mann</i>	3-27-26	800	<i>Cluth Mann</i>	3-27-26								<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		
<i>Johnny Archuleta</i>	3-26-26		<i>Johnny Archuleta</i>	3-26-26																			

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: 3/27/2026 10:31:27AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Production Company Date Received: 03/27/26 08:00 Work Order ID: E603318
Phone: (972) 371-5200 Date Logged In: 03/26/26 15:10 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 04/02/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Comments/Resolution box containing L-CM and R-NV.

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 Production Company

Project Name: Ray State Slot 3 TB

Work Order: E603319

Job Number: 23003-0002

Received: 3/27/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/26

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: 4/1/26

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



Project Name: Ray State Slot 3 TB
Workorder: E603319
Date Received: 3/27/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2026 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 12:17
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04B-1'	E603319-01A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04B-2'	E603319-02A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04B-3'	E603319-03A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04B-4'	E603319-04A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:17:12PM
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BH04B-1'
E603319-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>		111 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	2300	40.0	2	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:17:12PM
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BH04B-2'

E603319-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>		112 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1080	40.0	2	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:17:12PM
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BH04B-3'

E603319-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>		112 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	764	40.0	2	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:17:12PM
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BH04B-4'

E603319-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2613127
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>		108 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	379	20.0	1	03/27/26	03/30/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:17:12PM
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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 (2613127-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

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	7.58		8.00		94.8	70-130			

LCS (2613127-BS1)

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.49	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.25	0.0250	5.00		85.0	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.24	0.0250	5.00		84.7	70-130			
p,m-Xylene	8.65	0.0500	10.0		86.5	70-130			
Total Xylenes	12.9	0.0250	15.0		85.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

Matrix Spike (2613127-MS1)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.89	0.0250	5.00	ND	97.7	70-130			
Ethylbenzene	4.65	0.0250	5.00	ND	92.9	70-130			
Toluene	4.77	0.0250	5.00	ND	95.4	70-130			
o-Xylene	4.63	0.0250	5.00	ND	92.6	70-130			
p,m-Xylene	9.45	0.0500	10.0	ND	94.5	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	93.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

Matrix Spike Dup (2613127-MSD1)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.89	0.0250	5.00	ND	97.8	70-130	0.0532	20	
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	70-130	0.194	20	
Toluene	4.78	0.0250	5.00	ND	95.5	70-130	0.126	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	70-130	0.117	20	
p,m-Xylene	9.48	0.0500	10.0	ND	94.8	70-130	0.375	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.1	70-130	0.290	20	
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:17:12PM
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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 (2613127-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130			

LCS (2613127-BS2)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.3	70-130			

Matrix Spike (2613127-MS2)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			

Matrix Spike Dup (2613127-MSD2)

Source: E603317-03

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	60-137	2.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:17:12PM
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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 (2613141-BLK1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.4		50.0		107	69-135			

LCS (2613141-BS1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	247	25.0	250		98.9	70-131			
Surrogate: n-Nonane	54.1		50.0		108	69-135			

Matrix Spike (2613141-MS1)

Source: E603317-04

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	62-151			
Surrogate: n-Nonane	54.7		50.0		109	69-135			

Matrix Spike Dup (2613141-MSD1)

Source: E603317-04

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	62-151	0.517	20	
Surrogate: n-Nonane	56.8		50.0		114	69-135			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:17:12PM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2613144-BLK1)

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	ND	20.0							
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LCS (2613144-BS1)

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	266	20.0	250		106	90-110			
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Matrix Spike (2613144-MS1)

Source: E603320-04

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	699	20.0	250	419	112	80-120			
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Matrix Spike Dup (2613144-MSD1)

Source: E603320-04

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	692	20.0	250	419	109	80-120	0.924	20	
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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 Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 12:17
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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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E103319		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	TCFQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA				
																Compliance	Y	or	N			
																PWSID #						
																Sample Temp			Remarks			
1013	3/25/2026	S	1	BH04B - 1'		1								X		3.8						
1021	3/25/2026	S	1	BH04B - 2'		2								X		4.6						
1023	3/25/2026	S	1	BH04B - 3'		3								X		3.9						
1027	3/25/2026	S	1	BH04B - 4'		4								X		4.1						

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, eplugge@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										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.									
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N													
<i>Jarad McCauley</i>	03-25-26	14:37	<i>Michelle Gonzales</i>	3-26-26	0700														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>Michelle Gonzales</i>	3-26-26	1500	<i>Michelle Gonzales</i>	3-26-26															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>Mariano Gonzales</i>	3-26-26	1500	<i>Nathan Gonzales</i>	3-26-26	1500														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>Nathan Gonzales</i>	3-26-26	1830	<i>Johnny Archuleta</i>	3-26-26	1830														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>Johnny Archuleta</i>	3-26-26	2230	<i>Clith Marr</i>	3-27-26	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: 3/27/2026 10:33:11AM

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 Production Company Date Received: 03/27/26 08:00 Work Order ID: E603319
Phone: (972) 371-5200 Date Logged In: 03/26/26 15:12 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 04/02/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Box containing text: L-CM, R-NV

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 Production Company

Project Name: Ray State Slot 3 TB

Work Order: E603320

Job Number: 23003-0002

Received: 3/27/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/26

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: 4/1/26

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



Project Name: Ray State Slot 3 TB
Workorder: E603320
Date Received: 3/27/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2026 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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

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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 12:20
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04C-1'	E603320-01A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04C-2'	E603320-02A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04C-3'	E603320-03A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04C-4'	E603320-04A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:20:41PM
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BH04C-1'
E603320-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.2 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>						
		115 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	2310	40.0	2	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:20:41PM
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BH04C-2'

E603320-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.5 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.8 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>						
		115 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1300	40.0	2	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:20:41PM
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BH04C-3'

E603320-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.2 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>		115 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	844	40.0	2	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:20:41PM
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BH04C-4'

E603320-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.6 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613141
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/26	03/28/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/26	03/28/26	
<i>Surrogate: n-Nonane</i>						
		113 %	69-135	03/27/26	03/28/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	419	20.0	1	03/27/26	03/30/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:20:41PM
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Volatile Organics by EPA 8021B

Analyst: MB

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 (2613129-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

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		86.3	70-130			

LCS (2613129-BS1)

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.32	0.0250	5.00		86.4	70-130			
Ethylbenzene	4.01	0.0250	5.00		80.2	70-130			
Toluene	4.25	0.0250	5.00		85.0	70-130			
o-Xylene	4.04	0.0250	5.00		80.9	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.3	0.0250	15.0		81.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.17		8.00		89.6	70-130			

Matrix Spike (2613129-MS1)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.30	0.0250	5.00	ND	86.0	70-130			
Ethylbenzene	3.99	0.0250	5.00	ND	79.7	70-130			
Toluene	4.23	0.0250	5.00	ND	84.6	70-130			
o-Xylene	4.04	0.0250	5.00	ND	80.7	70-130			
p,m-Xylene	8.17	0.0500	10.0	ND	81.7	70-130			
Total Xylenes	12.2	0.0250	15.0	ND	81.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

Matrix Spike Dup (2613129-MSD1)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.62	0.0250	5.00	ND	92.3	70-130	7.18	20	
Ethylbenzene	4.28	0.0250	5.00	ND	85.7	70-130	7.16	20	
Toluene	4.54	0.0250	5.00	ND	90.9	70-130	7.16	20	
o-Xylene	4.32	0.0250	5.00	ND	86.4	70-130	6.75	20	
p,m-Xylene	8.77	0.0500	10.0	ND	87.7	70-130	7.03	20	
Total Xylenes	13.1	0.0250	15.0	ND	87.3	70-130	6.94	20	
Surrogate: 4-Bromochlorobenzene-PID	7.16		8.00		89.4	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:20:41PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

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 (2613129-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			

LCS (2613129-BS2)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

Matrix Spike (2613129-MS2)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.9	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

Matrix Spike Dup (2613129-MSD2)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/29/26

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	60-137	4.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:20:41PM
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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 (2613141-BLK1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	69-135			

LCS (2613141-BS1)

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	247	25.0	250		98.9	70-131			
Surrogate: <i>n</i> -Nonane	54.1		50.0		108	69-135			

Matrix Spike (2613141-MS1)

Source: E603317-04

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	62-151			
Surrogate: <i>n</i> -Nonane	54.7		50.0		109	69-135			

Matrix Spike Dup (2613141-MSD1)

Source: E603317-04

Prepared: 03/27/26 Analyzed: 03/27/26

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	62-151	0.517	20	
Surrogate: <i>n</i> -Nonane	56.8		50.0		114	69-135			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:20:41PM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2613144-BLK1)

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	ND	20.0							
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LCS (2613144-BS1)

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	266	20.0	250		106	90-110			
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Matrix Spike (2613144-MS1)

Source: E603320-04

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	699	20.0	250	419	112	80-120			
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Matrix Spike Dup (2613144-MSD1)

Source: E603320-04

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	692	20.0	250	419	109	80-120	0.924	20	
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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 Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 12:20
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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: Ensolium LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E/003320		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		
1030	3/25/2026	S	1	BH04C - 1'			1										X			4.1		
1032	3/25/2026	S	1	BH04C - 2'			2										X			3.9		
1037	3/25/2026	S	1	BH04C - 3'			3										X			3.4		
1040	3/25/2026	S	1	BH04C - 4'			4										X			4.2		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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) <i>Jr</i>	Date: 03-25-26	Time: 14:38	Received by: (Signature) <i>Michelle Gonzales</i>	Date: 3-26-26	Time: 0700	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.
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date: 3-26-26	Time: 1500	Received by: (Signature) <i>Marissa Gonzales</i>	Date: 3-26-26	Time:	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date: 3-26-26	Time: >	Received by: (Signature) <i>Nathan Gonzales</i>	Date: 3-26-26	Time: 1500	
Relinquished by: (Signature) <i>Nathan Gonzales</i>	Date: 3-26-26	Time: 1830	Received by: (Signature) <i>Johnny Archuleta</i>	Date: 3-26-26	Time: 1830	
Relinquished by: (Signature) <i>Johnny Archuleta</i>	Date: 3-26-26	Time: 2230	Received by: (Signature) <i>Chris Man</i>	Date: 3-27-26	Time: 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: 3/27/2026 10:34:42AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Production Company	Date Received: 03/27/26 08:00	Work Order ID: E603320
Phone: (972) 371-5200	Date Logged In: 03/26/26 15:14	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 04/02/26 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

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

Comments/Resolution

L-CM
R-NV

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 Production Company

Project Name: Ray State Slot 3 TB

Work Order: E603321

Job Number: 23003-0002

Received: 3/27/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/26

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 4/1/26

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

Project Name: Ray State Slot 3 TB
Workorder: E603321
Date Received: 3/27/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2026 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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,

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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 12:23
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04D-1'	E603321-01A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04D-2'	E603321-02A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04D-3'	E603321-03A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
BH04D-4'	E603321-04A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:23:07PM
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BH04D-1'

E603321-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.1 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/30/26	
<i>Surrogate: n-Nonane</i>						
		105 %	69-135	03/30/26	03/30/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	2060	40.0	2	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:23:07PM
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BH04D-2'

E603321-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.0 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/30/26	
<i>Surrogate: n-Nonane</i>		106 %	69-135	03/30/26	03/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1330	40.0	2	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:23:07PM
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BH04D-3'
E603321-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.9 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/30/26	
<i>Surrogate: n-Nonane</i>						
		104 %	69-135	03/30/26	03/30/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	683	40.0	2	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:23:07PM
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BH04D-4'

E603321-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.2 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/30/26	
<i>Surrogate: n-Nonane</i>						
		108 %	69-135	03/30/26	03/30/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	417	20.0	1	03/27/26	03/30/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:23:07PM
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Volatile Organics by EPA 8021B

Analyst: MB

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 (2613129-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

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		86.3	70-130			

LCS (2613129-BS1)

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.32	0.0250	5.00		86.4	70-130			
Ethylbenzene	4.01	0.0250	5.00		80.2	70-130			
Toluene	4.25	0.0250	5.00		85.0	70-130			
o-Xylene	4.04	0.0250	5.00		80.9	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.3	0.0250	15.0		81.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.17		8.00		89.6	70-130			

Matrix Spike (2613129-MS1)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.30	0.0250	5.00	ND	86.0	70-130			
Ethylbenzene	3.99	0.0250	5.00	ND	79.7	70-130			
Toluene	4.23	0.0250	5.00	ND	84.6	70-130			
o-Xylene	4.04	0.0250	5.00	ND	80.7	70-130			
p,m-Xylene	8.17	0.0500	10.0	ND	81.7	70-130			
Total Xylenes	12.2	0.0250	15.0	ND	81.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

Matrix Spike Dup (2613129-MSD1)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.62	0.0250	5.00	ND	92.3	70-130	7.18	20	
Ethylbenzene	4.28	0.0250	5.00	ND	85.7	70-130	7.16	20	
Toluene	4.54	0.0250	5.00	ND	90.9	70-130	7.16	20	
o-Xylene	4.32	0.0250	5.00	ND	86.4	70-130	6.75	20	
p,m-Xylene	8.77	0.0500	10.0	ND	87.7	70-130	7.03	20	
Total Xylenes	13.1	0.0250	15.0	ND	87.3	70-130	6.94	20	
Surrogate: 4-Bromochlorobenzene-PID	7.16		8.00		89.4	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:23:07PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

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 (2613129-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			

LCS (2613129-BS2)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

Matrix Spike (2613129-MS2)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.9	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

Matrix Spike Dup (2613129-MSD2)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/29/26

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	60-137	4.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:23:07PM
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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 (2613145-BLK1)

Prepared: 03/30/26 Analyzed: 03/30/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.4		50.0		111	69-135			

LCS (2613145-BS1)

Prepared: 03/30/26 Analyzed: 03/30/26

Diesel Range Organics (C10-C28)	280	25.0	250		112	70-131			
Surrogate: <i>n</i> -Nonane	53.1		50.0		106	69-135			

Matrix Spike (2613145-MS1)

Source: E603321-01

Prepared: 03/30/26 Analyzed: 03/30/26

Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	62-151			
Surrogate: <i>n</i> -Nonane	53.3		50.0		107	69-135			

Matrix Spike Dup (2613145-MSD1)

Source: E603321-01

Prepared: 03/30/26 Analyzed: 03/30/26

Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	62-151	2.10	20	
Surrogate: <i>n</i> -Nonane	52.9		50.0		106	69-135			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:23:07PM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2613144-BLK1)

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride ND 20.0

LCS (2613144-BS1)

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride 266 20.0 250 106 90-110

Matrix Spike (2613144-MS1)

Source: E603320-04

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride 699 20.0 250 419 112 80-120

Matrix Spike Dup (2613144-MSD1)

Source: E603320-04

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride 692 20.0 250 419 109 80-120 0.924 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 Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 12:23
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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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E1003321		23003-0002					X	X									
Project Manager: Ashley Gioveno				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: agioveno@ensolum.com												Compliance				Y		or		N	
Phone: 575-988-0055				Miscellaneous:												PWSID #									
Email: agioveno@ensolum.com																									
Sample Information																									
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	Sample Temp	Remarks								
1043	3/25/2026	S	1	BH04D - 1'		1								X		3.7									
1047	3/25/2026	S	1	BH04D - 2'		2								X		3.0									
1051	3/25/2026	S	1	BH04D - 3'		3								X		4.0									
1053	3/25/2026	S	1	BH04D - 4'		4								X		4.2									
Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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) <i>[Signature]</i>				Date	Time	Received by: (Signature) <i>Michelle Gonzales</i>				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) <i>Michelle Gonzales</i>				Date	Time	Received by: (Signature) <i>Marissa Gonzales</i>				Date	Time														
Relinquished by: (Signature) <i>Marissa Gonzales</i>				Date	Time	Received by: (Signature) <i>Nathan Gonzales</i>				Date	Time														
Relinquished by: (Signature) <i>Nathan Gonzales</i>				Date	Time	Received by: (Signature) <i>Johnny Archuleta</i>				Date	Time														
Relinquished by: (Signature) <i>Johnny Archuleta</i>				Date	Time	Received by: (Signature) <i>Carli Man</i>				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: 3/27/2026 10:36:24AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Production Company Date Received: 03/27/26 08:00 Work Order ID: E603321
Phone: (972) 371-5200 Date Logged In: 03/26/26 15:16 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 04/02/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Comments/Resolution box containing L-CM and R-NV.

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 Production Company

Project Name: Ray State Slot 3 TB

Work Order: E603285

Job Number: 23003-0002

Received: 3/25/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/31/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 3/31/26

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

Project Name: Ray State Slot 3 TB
Workorder: E603285
Date Received: 3/25/2026 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2026 7:15:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
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Sample Summary

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Ray State Slot 3 TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
03/31/26 07:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-1'	E603285-01A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS03-1'	E603285-02A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS06-1'	E603285-03A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS07-1'	E603285-04A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS08-1'	E603285-05A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS11-1'	E603285-06A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS12-1'	E603285-07A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS15-1'	E603285-08A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS16-1'	E603285-09A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS17-1'	E603285-10A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS19-1'	E603285-11A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS20-1'	E603285-12A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS21-1'	E603285-13A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS22-1'	E603285-14A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
FS23-1'	E603285-15A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
SW01-0-1'	E603285-16A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.
SW02-0-1'	E603285-17A	Soil	03/23/26	03/25/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS01-1'

E603285-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.7 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.3 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>						
		97.3 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	850	20.0	1	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS03-1'

E603285-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.9 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>		96.2 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	2210	40.0	2	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS06-1'

E603285-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.1 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>		95.0 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	1400	40.0	2	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS07-1'

E603285-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.6 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>						
		96.7 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	1720	40.0	2	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS08-1'

E603285-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.2 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>		98.9 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	695	20.0	1	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS11-1'

E603285-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.7 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>		96.5 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	1690	40.0	2	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS12-1'

E603285-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.2 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>		96.3 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	2020	40.0	2	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS15-1'

E603285-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.5 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>						
		95.6 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	1690	40.0	2	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS16-1'

E603285-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.8 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.8 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>		94.8 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	1470	40.0	2	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS17-1'

E603285-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.8 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/26/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/26/26	
<i>Surrogate: n-Nonane</i>		96.4 %	61-141	03/26/26	03/26/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	903	20.0	1	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS19-1'

E603285-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.1 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.9 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/27/26	
<i>Surrogate: n-Nonane</i>						
		98.7 %	61-141	03/26/26	03/27/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	868	20.0	1	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS20-1'

E603285-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.1 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/27/26	
<i>Surrogate: n-Nonane</i>		94.8 %	61-141	03/26/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	1540	40.0	2	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS21-1'

E603285-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.7 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/27/26	
<i>Surrogate: n-Nonane</i>		96.0 %	61-141	03/26/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	1740	40.0	2	03/25/26	03/25/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS22-1'

E603285-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.8 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/27/26	
<i>Surrogate: n-Nonane</i>		95.0 %	61-141	03/26/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	1770	40.0	2	03/25/26	03/26/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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FS23-1'

E603285-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.7 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/27/26	
<i>Surrogate: n-Nonane</i>		94.7 %	61-141	03/26/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	882	20.0	1	03/25/26	03/26/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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SW01-0-1'

E603285-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.7 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/27/26	
<i>Surrogate: n-Nonane</i>		95.4 %	61-141	03/26/26	03/27/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	1910	40.0	2	03/25/26	03/26/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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SW02-0-1'

E603285-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Benzene	ND	0.0250	1	03/25/26	03/26/26	
Ethylbenzene	ND	0.0250	1	03/25/26	03/26/26	
Toluene	ND	0.0250	1	03/25/26	03/26/26	
o-Xylene	ND	0.0250	1	03/25/26	03/26/26	
p,m-Xylene	ND	0.0500	1	03/25/26	03/26/26	
Total Xylenes	ND	0.0250	1	03/25/26	03/26/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.1 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613068
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/25/26	03/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	03/25/26	03/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2613098
Diesel Range Organics (C10-C28)	ND	25.0	1	03/26/26	03/27/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/26/26	03/27/26	
<i>Surrogate: n-Nonane</i>						
		95.7 %	61-141	03/26/26	03/27/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2613086
Chloride	1140	20.0	1	03/25/26	03/26/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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Volatile Organics by EPA 8021B

Analyst: MB

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 (2613068-BLK1)

Prepared: 03/25/26 Analyzed: 03/26/26

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	7.16		8.00		89.6	70-130			

LCS (2613068-BS1)

Prepared: 03/25/26 Analyzed: 03/26/26

Benzene	4.15	0.0250	5.00		83.0	70-130			
Ethylbenzene	3.98	0.0250	5.00		79.6	70-130			
Toluene	4.17	0.0250	5.00		83.3	70-130			
o-Xylene	4.07	0.0250	5.00		81.4	70-130			
p,m-Xylene	8.17	0.0500	10.0		81.7	70-130			
Total Xylenes	12.2	0.0250	15.0		81.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.1	70-130			

Matrix Spike (2613068-MS1)

Source: E603285-05

Prepared: 03/25/26 Analyzed: 03/26/26

Benzene	4.36	0.0250	5.00	ND	87.2	70-130			
Ethylbenzene	4.19	0.0250	5.00	ND	83.7	70-130			
Toluene	4.41	0.0250	5.00	ND	88.2	70-130			
o-Xylene	4.29	0.0250	5.00	ND	85.8	70-130			
p,m-Xylene	8.59	0.0500	10.0	ND	85.9	70-130			
Total Xylenes	12.9	0.0250	15.0	ND	85.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

Matrix Spike Dup (2613068-MSD1)

Source: E603285-05

Prepared: 03/25/26 Analyzed: 03/26/26

Benzene	4.39	0.0250	5.00	ND	87.9	70-130	0.717	27	
Ethylbenzene	4.22	0.0250	5.00	ND	84.4	70-130	0.751	26	
Toluene	4.44	0.0250	5.00	ND	88.7	70-130	0.558	20	
o-Xylene	4.29	0.0250	5.00	ND	85.7	70-130	0.0770	25	
p,m-Xylene	8.65	0.0500	10.0	ND	86.5	70-130	0.740	23	
Total Xylenes	12.9	0.0250	15.0	ND	86.2	70-130	0.469	26	
Surrogate: 4-Bromochlorobenzene-PID	7.10		8.00		88.8	70-130			



QC Summary Data

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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

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 (2613068-BLK1)

Prepared: 03/25/26 Analyzed: 03/26/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

LCS (2613068-BS2)

Prepared: 03/25/26 Analyzed: 03/26/26

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.7	70-130			

Matrix Spike (2613068-MS2)

Source: E603285-05

Prepared: 03/25/26 Analyzed: 03/26/26

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			

Matrix Spike Dup (2613068-MSD2)

Source: E603285-05

Prepared: 03/25/26 Analyzed: 03/26/26

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	14.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			



QC Summary Data

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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 (2613098-BLK1)

Prepared: 03/26/26 Analyzed: 03/26/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.5		50.0		94.9	61-141			

LCS (2613098-BS1)

Prepared: 03/26/26 Analyzed: 03/26/26

Diesel Range Organics (C10-C28)	251	25.0	250		101	66-144			
Surrogate: <i>n</i> -Nonane	47.4		50.0		94.8	61-141			

Matrix Spike (2613098-MS1)

Source: E603285-16

Prepared: 03/26/26 Analyzed: 03/26/26

Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156			
Surrogate: <i>n</i> -Nonane	49.9		50.0		99.7	61-141			

Matrix Spike Dup (2613098-MSD1)

Source: E603285-16

Prepared: 03/26/26 Analyzed: 03/26/26

Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	3.98	20	
Surrogate: <i>n</i> -Nonane	48.3		50.0		96.5	61-141			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/31/2026 7:09:37AM
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Anions by EPA 300.0/9056A

Analyst: RAS

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 (2613086-BLK1)

Prepared: 03/25/26 Analyzed: 03/25/26

Chloride	ND	20.0							
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LCS (2613086-BS1)

Prepared: 03/25/26 Analyzed: 03/25/26

Chloride	270	20.0	250		108	90-110			
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Matrix Spike (2613086-MS1)

Source: E603285-04

Prepared: 03/25/26 Analyzed: 03/25/26

Chloride	1770	40.0	250	1720	20.4	80-120			M2
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Matrix Spike Dup (2613086-MSD1)

Source: E603285-04

Prepared: 03/25/26 Analyzed: 03/25/26

Chloride	1970	40.0	250	1720	97.7	80-120	10.3	20	
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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 Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/31/26 07:09
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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.



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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E1003285		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			
1010	3/23/2026	S	1	FS01 - 1'		1								X		4.0				
942	3/23/2026	S	1	FS03 - 1'		2								X		2.1				
944	3/23/2026	S	1	FS06 - 1'		3								X		1.2				
1012	3/23/2026	S	1	FS07 - 1'		4								X		1.2				
950	3/23/2026	S	1	FS08 - 1'		5								X		2.7				
1410	3/23/2026	S	1	FS11 - 1'		6								X		3.1				
1014	3/23/2026	S	1	FS12 - 1'		7								X		1.9				
1016	3/23/2026	S	1	FS15 - 1'		8								X		3.6				
947	3/23/2026	S	1	FS16 - 1'		9								X		1.6				
1409	3/23/2026	S	1	FS17 - 1'		10								X		3.2				

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, eplugge@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) <i>JM</i>	Date: 03-23-26	Time: 14:00 ^{PM} 16:30	Received by: (Signature) <i>Marissa Gonzalez</i>	Date: 3-24-26	Time: 07M	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.
Relinquished by: (Signature) <i>Marissa Gonzalez</i>	Date: 3-24-26	Time: 1300	Received by: (Signature) <i>Nathan Gonzalez</i>	Date: 3-24-26	Time: 1300	
Relinquished by: (Signature) <i>Nathan Gonzalez</i>	Date: 3-24-26	Time: 1645	Received by: (Signature) <i>Johnny Archuleta</i>	Date: 3-24-26	Time: 1645	
Relinquished by: (Signature) <i>Johnny Archuleta</i>	Date: 3-24-26	Time: 215	Received by: (Signature) <i>Noe Soto</i>	Date: 3-25-26	Time: 0715	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N

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# E1003285	1D 2D 3D Std	NM CO UT TX
Project Name: Ray State Slot 3 TB	Address: 3122 National Parks Hwy	Job Number 23003-0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDQC - NM	BGDQC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
1414	3/23/2026	S	1	FS19 - 1'		11										X			1.6	
1412	3/23/2026	S	1	FS20 - 1'		12										X			3.1	
1404	3/23/2026	S	1	FS21 - 1'		13										X			3.1	
1407	3/23/2026	S	1	FS22 - 1'		14										X			1.6	
1415	3/23/2026	S	1	FS23 - 1'		15										X			1.4	
1100	3/23/2026	S	1	SW01 - 0 - 1'		16										X			1.8	
1420	3/23/2026	S	1	SW02 - 0 - 1'		17										X			2.6	

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, eplugge@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) <i>JM</i>	Date <u>03-23-26</u>	Time <u>4:00^{PM}</u>	Received by: (Signature) <i>Marissa Gonzalez</i>	Date <u>3-24-26</u>	Time <u>0711</u>	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) <i>Marissa Gonzalez</i>	Date <u>3-24-26</u>	Time <u>1300</u>	Received by: (Signature) <i>Nathan Gonzalez</i>	Date <u>3-24-26</u>	Time <u>1300</u>	
Relinquished by: (Signature) <i>Nathan Gonzalez</i>	Date <u>3-24-26</u>	Time <u>1645</u>	Received by: (Signature) <i>Johnny Archuleta</i>	Date <u>3-24-26</u>	Time <u>1645</u>	
Relinquished by: (Signature) <i>Johnny Archuleta</i>	Date <u>3-24-26</u>	Time <u>2115</u>	Received by: (Signature) <i>Noe Sob</i>	Date <u>3-25-26</u>	Time <u>0715</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
						Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N

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: 3/25/2026 8:36:58AM

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 Production Company Date Received: 03/25/26 07:15 Work Order ID: E603285
Phone: (972) 371-5200 Date Logged In: 03/24/26 15:45 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 03/31/26 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Comments/Resolution box containing L-CM and R-NS.

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 Production Company

Project Name: Ray State Slot 3 TB

Work Order: E603322

Job Number: 23003-0002

Received: 3/27/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/26

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: 4/1/26

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

Project Name: Ray State Slot 3 TB
Workorder: E603322
Date Received: 3/27/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/27/2026 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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:

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Lynn Jarboe
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ljjarboe@envirotech-inc.com

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Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 12:25
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02-1'	E603322-01A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
FS04-1'	E603322-02A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
FS05-1'	E603322-03A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
FS09-1'	E603322-04A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
FS10-1'	E603322-05A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
FS13-1'	E603322-06A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
FS14-1'	E603322-07A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.
FS18-1'	E603322-08A	Soil	03/25/26	03/27/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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FS02-1'

E603322-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.5 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.5 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/30/26	
<i>Surrogate: n-Nonane</i>						
		103 %	69-135	03/30/26	03/30/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1450	20.0	1	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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FS04-1'

E603322-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.7 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/30/26	
<i>Surrogate: n-Nonane</i>		100 %	69-135	03/30/26	03/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1280	20.0	1	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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FS05-1'

E603322-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.8 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/30/26	
<i>Surrogate: n-Nonane</i>		105 %	69-135	03/30/26	03/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1480	20.0	1	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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FS09-1'

E603322-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.5 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/30/26	
<i>Surrogate: n-Nonane</i>						
		109 %	69-135	03/30/26	03/30/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1220	20.0	1	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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FS10-1'

E603322-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.9 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/31/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/31/26	
<i>Surrogate: n-Nonane</i>		109 %	69-135	03/30/26	03/31/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1120	20.0	1	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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FS13-1'

E603322-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.9 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/31/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/31/26	
<i>Surrogate: n-Nonane</i>		104 %	69-135	03/30/26	03/31/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1150	20.0	1	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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FS14-1'

E603322-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.3 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/31/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/31/26	
<i>Surrogate: n-Nonane</i>		107 %	69-135	03/30/26	03/31/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1150	20.0	1	03/27/26	03/30/26	



Sample Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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FS18-1'

E603322-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Benzene	ND	0.0250	1	03/27/26	03/29/26	
Ethylbenzene	ND	0.0250	1	03/27/26	03/29/26	
Toluene	ND	0.0250	1	03/27/26	03/29/26	
o-Xylene	ND	0.0250	1	03/27/26	03/29/26	
p,m-Xylene	ND	0.0500	1	03/27/26	03/29/26	
Total Xylenes	ND	0.0250	1	03/27/26	03/29/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.0 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2613129
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/26	03/29/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	03/27/26	03/29/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2613145
Diesel Range Organics (C10-C28)	ND	25.0	1	03/30/26	03/31/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/30/26	03/31/26	
<i>Surrogate: n-Nonane</i>		109 %	69-135	03/30/26	03/31/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2613144
Chloride	1110	20.0	1	03/27/26	03/30/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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Volatile Organics by EPA 8021B

Analyst: MB

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 (2613129-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

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		86.3	70-130			

LCS (2613129-BS1)

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.32	0.0250	5.00		86.4	70-130			
Ethylbenzene	4.01	0.0250	5.00		80.2	70-130			
Toluene	4.25	0.0250	5.00		85.0	70-130			
o-Xylene	4.04	0.0250	5.00		80.9	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.3	0.0250	15.0		81.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.17		8.00		89.6	70-130			

Matrix Spike (2613129-MS1)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.30	0.0250	5.00	ND	86.0	70-130			
Ethylbenzene	3.99	0.0250	5.00	ND	79.7	70-130			
Toluene	4.23	0.0250	5.00	ND	84.6	70-130			
o-Xylene	4.04	0.0250	5.00	ND	80.7	70-130			
p,m-Xylene	8.17	0.0500	10.0	ND	81.7	70-130			
Total Xylenes	12.2	0.0250	15.0	ND	81.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

Matrix Spike Dup (2613129-MSD1)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/28/26

Benzene	4.62	0.0250	5.00	ND	92.3	70-130	7.18	20	
Ethylbenzene	4.28	0.0250	5.00	ND	85.7	70-130	7.16	20	
Toluene	4.54	0.0250	5.00	ND	90.9	70-130	7.16	20	
o-Xylene	4.32	0.0250	5.00	ND	86.4	70-130	6.75	20	
p,m-Xylene	8.77	0.0500	10.0	ND	87.7	70-130	7.03	20	
Total Xylenes	13.1	0.0250	15.0	ND	87.3	70-130	6.94	20	
Surrogate: 4-Bromochlorobenzene-PID	7.16		8.00		89.4	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

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 (2613129-BLK1)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			

LCS (2613129-BS2)

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

Matrix Spike (2613129-MS2)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/28/26

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.9	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

Matrix Spike Dup (2613129-MSD2)

Source: E603311-01

Prepared: 03/27/26 Analyzed: 03/29/26

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	60-137	4.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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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 (2613145-BLK1)

Prepared: 03/30/26 Analyzed: 03/30/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.4		50.0		111	69-135			

LCS (2613145-BS1)

Prepared: 03/30/26 Analyzed: 03/30/26

Diesel Range Organics (C10-C28)	280	25.0	250		112	70-131			
Surrogate: n-Nonane	53.1		50.0		106	69-135			

Matrix Spike (2613145-MS1)

Source: E603321-01

Prepared: 03/30/26 Analyzed: 03/30/26

Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	62-151			
Surrogate: n-Nonane	53.3		50.0		107	69-135			

Matrix Spike Dup (2613145-MSD1)

Source: E603321-01

Prepared: 03/30/26 Analyzed: 03/30/26

Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	62-151	2.10	20	
Surrogate: n-Nonane	52.9		50.0		106	69-135			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/1/2026 12:25:10PM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2613144-BLK1)

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	ND	20.0							
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LCS (2613144-BS1)

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	266	20.0	250		106	90-110			
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Matrix Spike (2613144-MS1)

Source: E603320-04

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	699	20.0	250	419	112	80-120			
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Matrix Spike Dup (2613144-MSD1)

Source: E603320-04

Prepared: 03/27/26 Analyzed: 03/30/26

Chloride	692	20.0	250	419	109	80-120	0.924	20	
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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 Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/01/26 12:25
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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.



EL0322 em 3/21/26

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolium LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E603222		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 1006 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA					
																Compliance	Y	or	N				
																PWSID #							
																Sample Temp	Remarks						
1120	3/25/2026	S	1	FS02 - 1'		1								X						4.4			
1121	3/25/2026	S	1	FS04 - 1'		2								X						4.2			
1159	3/25/2026	S	1	FS05 - 1'		3								X						4.0			
1123	3/25/2026	S	1	FS09 - 1'		4								X						4.0			
1125	3/25/2026	S	1	FS10 - 1'		5								X						4.4			
1126	3/25/2026	S	1	FS13 - 1'		6								X						3.9			
1128	3/25/2026	S	1	FS14 - 1'		7								X						4.0			
1129	3/25/2026	S	1	FS18 - 1'		8								X						4.2			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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) <u>Jr</u>	Date	Time	Received by: (Signature) <u>Michelle Gonzales</u>	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: O/N
	03-25-20	14:37		3-26-26	0711	
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date	Time	Received by: (Signature) <u>Michelle Gonzales</u>	Date	Time	
	3-26-26	1500		3-26-26		
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date	Time	Received by: (Signature) <u>Nathan Gonzales</u>	Date	Time	
	3-26-26			3-26-26	1500	
Relinquished by: (Signature) <u>Nathan Gonzales</u>	Date	Time	Received by: (Signature) <u>Johnny Archuleta</u>	Date	Time	
	3-26-26	1830		3-26-26	1830	
Relinquished by: (Signature) <u>Johnny Archuleta</u>	Date	Time	Received by: (Signature) <u>Cathy Mora</u>	Date	Time	
	3-26-26	2230		3-27-26	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: 3/27/2026 10:41:40AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Production Company	Date Received: 03/27/26 08:00	Work Order ID: E603322
Phone: (972) 371-5200	Date Logged In: 03/26/26 15:17	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 04/02/26 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

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

Comments/Resolution

L-CM
R-NV

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMOCD Correspondence

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Ashley Giovengo](#); [Jason Touchet](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339
Date: Monday, August 11, 2025 7:41:13 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good morning Chad,

The extension request for NAPP2513253339 RAY STATE SLOT 3 TB is approved. The new due date to submit your remediation plan or closure report to the OCD is November 10, 2025. Please include a copy of this and all notifications in the remedial and/or closure report to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, August 11, 2025 7:30 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@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] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339

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

Hello all,

Matador Production Company (Matador) is requesting an extension of the current deadline of August 11, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Ray State Slot 3 TB (Site) (Incident Number nAPP2513253339). The release occurred on May 11, 2025, and 8 barrels (bbls) of produced water were released; 2 bbls of produced water were recovered. The release impacted an area on-pad approximately 2,000 square feet in size on Private Land. Lateral delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria has been completed at the Site; vertical delineation soil sampling is currently on-going. Excavation of the subject matter release will begin as soon as Matador selects a subcontractor to complete excavation activities. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until November 7, 2025. Please let me know if you have any further questions regarding this site.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339
Date: Monday, November 10, 2025 11:08:07 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good morning Chad,

An extension request was approved for this release on 8/11/25 due to the same reasons given below. Another extension is not approved at this time. Submit a remediation plan or remediation closure request to OCD Permitting as soon as possible. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

Sincerely,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, November 10, 2025 9:40 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrn.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrn.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339

CAUTION: This email originated outside of our organization. Exercise caution prior to

clicking on links or opening attachments.

Ms. Wells,

Matador Production Company (Matador) is requesting an extension of the current deadline of November 10, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Ray State Slot 3 TB (Site) (Incident Number nAPP2513253339). The release occurred on May 11, 2025, and 8 barrels (bbls) of produced water were released; 2 bbls of produced water were recovered. The release impacted an area on-pad approximately 2,000 square feet in size on Private Land. Lateral delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria has been completed at the Site; vertical delineation soil sampling is currently on-going. Matador is currently completing background chloride sampling activities at the Site. Excavation of the subject matter release will begin as soon as Matador selects a subcontractor to complete excavation activities. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until February 9, 2026. Please let me know if you have any further questions regarding this site.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Ashley Giovengo](#); [Jason Touchet](#); [Casey Snow](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339
Date: Thursday, November 20, 2025 1:41:41 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good afternoon Chad,

The extension request is denied for the same reason it was on 11/10/25. The soon to be submitted chloride variance request can be submitted within a remediation plan through the OCD Permitting website which will get this incident back in compliance. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

Sincerely,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Wednesday, November 19, 2025 3:48 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>; Casey Snow <csnow@matadorresources.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339

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

Ms. Wells,

Due to today's meeting, Matador Production Company (Matador) is requesting an extension for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Ray State Slot 3 TB (Site) (Incident Number nAPP2513253339). The release occurred on May 11, 2025, and 8 barrels (bbls) of produced water were released; 2 bbls of produced water were recovered. The Site was mapped on May 12, 2025, utilizing a handheld Global Positioning System (GPS) unit. The release impacted an area on-pad approximately 2,000 square feet in size on Private Land. Ensolum, LLC (Ensolum) personnel returned to the Site on May 19, 2025, May 20, 2025, and June 4, 2025, to conduct delineation activities. Eight lateral soil samples (SS01 through SS08) and four boreholes (BH01 through BH04) were advanced via hand auger within the release extent to assess the vertical and lateral extent of the release. Due to the difficulty of achieving vertical delineation in accordance with the strictest Closure Criteria per NMOCD Table I, background chloride delineation was determined to be necessary. Ensolum submitted four proposed background sample locations to NMOCD on June 5, 2025, which was approved on June 10, 2025. Ensolum returned to the Site on June 25, 2025, and June 26, 2025, to conducted soil sampling around the Site to assess for the presence or absence of naturally occurring chloride in undisturbed soil horizons. A total of four background samples (BG01 through BG04) were collected at depths ranging from ground surface to 7 feet bgs. A background chloride variance request was submitted to NMOCD on September 15, 2025, and was rejected on September 19, 2025. A meeting was requested on October 27, 2025, to discuss the background chloride variance denial but the attempts for a meeting were not accepted until November 14, 2025. Matador will complete a new background chloride variance request by November 21, 2025. Excavation of the subject matter release will begin upon the approval of a chloride variance. Matador will select a subcontractor to complete excavation activities. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until February 17, 2026. Please let me know if you have any further questions regarding this site.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC



From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Subject: RE: [EXTERNAL] Proposed Background Chloride Sample Locations for the Ray State Slot 3 Incident Number nAPP2513253339
Date: Tuesday, June 10, 2025 10:07:05 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

You're welcome Chad!

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Tuesday, June 10, 2025 10:06 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Proposed Background Chloride Sample Locations for the Ray State Slot 3 Incident Number nAPP2513253339

Thank you!

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, June 10, 2025 9:46:12 AM
To: Chad Hamilton <chamilton@ensolum.com>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Proposed Background Chloride Sample Locations for the Ray State Slot 3 Incident Number nAPP2513253339

[**EXTERNAL EMAIL**]

Good morning Chad,

Sorry for the delay in getting back to you but I did get to touch base with Mike Bratcher today on the proposed sample locations and we are in agreement that those locations

are acceptable for obtaining background chloride data for the release at Ray State Slot 3 Incident Number nAPP2513253339.

Kind regards,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Thursday, June 5, 2025 2:43 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>
Subject: [EXTERNAL] Proposed Background Chloride Sample Locations for the Ray State Slot 3 Incident Number nAPP2513253339

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

Good afternoon, Shelly,

Matador Production Company (Matador) is requesting approval for potential *background chloride sample locations* at the Ray State Slot 3 TB (Site) (Incident Number nAPP2513253339). On May 11, 2025, corrosion of a 90° pipe connection resulted in the release of approximately 8 barrels (bbls) of produced water on pad; 2 bbls were recovered from the release area. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on May 12, 2025, via web portal. The release remained on-pad and did not impact the adjacent pasture.

Ensolum has attempted vertical delineation of the Site and has been unable to reach the strictest Closure Criteria per NMOCD Table I. Due to the Site's proximity to the Pecos River, the Ray State Slot 4, and the General Kehoe #228H, see attached figures. As these areas have confirmed background chloride concentrations, sampling to confirm background chloride concentrations for the Site is warranted. Four background sample locations have been

marked in well vegetated areas according to satellite imagery (See Proposed Background Locations Map) that do not appear to have been disturbed by oil and gas activities. Please review these background sampling locations to confirm they are in areas with acceptable vegetation growth and non-disturbed features that the NMOCD would accept laboratory analytical results for use in developing naturally occurring chloride concentrations for this area and specifically for this Site.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Background Chloride Variance - Ray State Slot 3 TB - nAPP2513253339
Date: Friday, September 19, 2025 10:52:41 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good morning Chad,

The proposed background chloride variance is rejected. On 6/5/2025, the OCD received an email requesting confirmation that the 4 proposed background chloride locations be approved. After review, Mike Bratcher and Shelly Wells approved of their locations. During this time, Ensolum was told that the samples collected at each depth could be averaged to determine a background chloride concentration for each depth and that if TPH was found in any of the boreholes that that borehole could not be used.

The data collected at all 4 previously approved background sample locations may be averaged for each depth interval to derive a background chloride concentration. The following background chloride concentrations may be used:

	BG01	BG02	BG03	BG04	Average
Surface	<20	1160	9990	37.1	2801.775
1'	<20	4110	2550	1560	2060
2'	20.7	1910	1610	1870	1352.675
3'	56.6	1110	1260	909	833.9
4'	113	1600	1090	<20	705.75

Should remediation need to occur below 4' depth, Table I DTGW < 50 feet RRALs should be used as this site is in medium karst. For the sidewalls, they can be delineated to the value above that correlates to their depth. If a sidewall is from 0-2 feet for instance, the 2' average would be used as the background chloride value.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
 Environmental Bureau
 EMNRD-Oil Conservation Division
 1220 S. St. Francis Drive|Santa Fe, NM 87505

(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, September 15, 2025 1:34 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Background Chloride Variance - Ray State Slot 3 TB - nAPP2513253339


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

Ms. Wells,

Please see the attached Proposed Background Chloride Variance Request. Please let me know if you have any questions.

Thanks,



Chad Hamilton
Project Geologist
940-923-0072
Ensolum, LLC
in f 

From: [Chad Hamilton](#)
To: [Wells, Shelly, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Enviro, OCD, EMNRD](#)
Cc: [Casey Snow](#); [Jason Touchet](#); [Ashley Giovengo](#)
Subject: Background Chloride Variance Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339
Date: Friday, November 21, 2025 10:29:00 AM
Attachments: [20250912_Ray_State_Slot_3_TB_Fig1_V1_LN.pdf](#)
[image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[20250912_Ray_State_Slot_3_TB_Fig2_V1_LN.pdf](#)
[20250915_Ray_State_Slot_3_TB_Fig3_V2_LN.pdf](#)
[20251121_RayStateSlot3TB_fig4_v1_JV.pdf](#)
[Tables 1 and 2.pdf](#)

Matador Production Company (Matador) is requesting a background chloride variance at the Ray State Slot 3 TB (Site) (Incident Number nAPP2513253339). On May 11, 2025, an equipment failure resulted in the release of approximately 8 bbls of produced water onto the pad surface; 2 of produced water were recovered, 6 bbls of produced water were unrecoverable. Matador reported the release to the NMOCD via the NMOCD portal on January 3, 2025, and submitted a Release Notification Form C-141 (Form C-141) on May 12, 2025. The release occurred on a pad and did not impact any off-pad areas.

A desktop review for potential site receptors has been completed for this Site and according to the New Mexico Office of the State Engineer (NMOSE), the closest depth to groundwater measurement is NMOSE well C-04901 POD1 with a depth to groundwater measurement of 52 feet below ground surface (bgs); the well is 0.73 miles west of the Site and the date of the last recorded measurement was on February 20, 2024. 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. The closest significant watercourse is the Pecos River located approximately 1,626 feet southeast of the Site. The Site is potentially underlain by unstable geology (medium potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Figure 1 depicts sensitive receptors applicable to the Site. Based on the results of the desktop review and a readjustment of the approved chloride variance request, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 100 mg/kg GRO/DRO/ORO and 600 mg/kg chloride.

On May 19, 2025, May 20, 2025, and June 4, 2025, Ensolum personnel were onsite to delineate the lateral and vertical extent of the release as indicated by field observations and information provided in the C-141. Eight lateral soil samples (SS01 through SS08) were collected at ground surface and 1-foot bgs. Four boreholes (BH01 through BH4) were advanced via hand auger within the release extent to assess the vertical extent of the release (see Figure 2). Boreholes BH01 through BH04 were advanced to depths ranging from 3 feet bgs to 8 feet bgs.

On June 25, 2025, and June 26, 2025, Ensolum personnel advanced four boreholes (BG01 through BG04, Figure 2) in areas that had not been previously disturbed by oil and gas operations previously selected by NMOCD personnel during our correspondence on June 10, 2025, at depths ranging from ground surface to 7 feet bgs at the Site (see Figure 3). Laboratory

analytical results indicated the presence of naturally occurring chloride concentrations in soil exceeding 600 parts per million (ppm) (also measured as mg/kg) in three of the four undisturbed areas, with a maximum chloride concentration of 9,990 mg/kg detected at BG03. When detected, the elevated concentrations occurred starting at ground surface. (See Table 2). Naturally occurring chloride concentrations ranging from <20.0 mg/kg to 9,990 mg/kg off pad has been documented.

On November 19, 2025, Ensolum personnel along with Matador and NMOCD met to discuss background chloride concentrations at the Site.

Vertical delineation results from delineation boreholes BH01 through BH04 indicate gross impacts from the release from ground surface (36,500 mg/kg) to 2 feet bgs (6,470 mg/kg) in BH04. The drop in chloride concentration from ground surface (11,900 mg/kg) to 1-foot bgs (74.2 mg/kg) in BH01 and (12,300 mg/kg) at ground surface to 1-foot bgs (485 mg/kg) in BH02 show a demarcation of impacts in the non-chloride bearing, imported caliche material. The drop in chloride concentration from ground surface 2 feet bgs (7,940 mg/kg) to 4 feet bgs (714 mg/kg) indicate naturally occurring chlorides are present were not present in the imported caliche since concentrations directly beneath the caliche increase in chloride concentrations. Gross impacts from the release are present from ground surface to 2 feet bgs (6,470 mg/kg) in BH04. Obvious gross soil impacts from the produced water spill are generally confined to the top 2 feet of soil beneath the release footprint, and still with the upper portion of the imported caliche. Contributing to impacted soil and present beneath the release is a documented soil structure naturally high in chloride.

Based on assessments of naturally occurring chloride concentrations beneath and adjacent to the Site, Ensolum, on behalf of Matador, is proposing an adjusted Closure Criteria and sampling variance be considered for remediation of the Site, which includes the following:

- Vertical delineation has been met, established with strictest Closure Criteria being met within the imported caliche material. In boreholes that did not meet the strictest Closure Criteria (boreholes BH03 and BH04) vertical delineation was met due to chlorides falling within the natural chloride range of <20.0 mg/kg to 9,990 mg/kg.
- The original release extent detected unnaturally high chloride concentrations (>9,990 mg/kg) and associated TPH impacts. Based on Table 2, impacted soil containing chloride range in concentrations from 11,900 mg/kg to 36,500 mg/kg. Excavation of TPH and chloride impacted soil will be completed with the removal of TPH impacts to 100 mg/kg and 7,940 mg/kg for chlorides based on the demarcation lines in Table 2. In general, excavation of impacted soil is anticipated to range from 1-foot to 2 feet bgs based on field and laboratory analytical data.
- Sidewall confirmation samples will be collected on a frequency of one composite sample for every 200 square feet of sidewall and will be compared to the sample lateral extent concentration of 600 mg/kg for chloride and 100 mg/kg for TPH in areas where the

depth of the excavation remains within the imported pad material. If sidewall location depths extend to natural material will meet a lateral extent concentration of 4,110. This concentration is within the range of naturally occurring chlorides and does not consider the outlier of 9,990 mg/kg. Sidewall confirmation samples will also be used to define the lateral extent of the release area in lieu of surface lateral delineation.

- Based on the analytical results the proposed excavation extent measures 3,822 sq ft in size and an estimate 340 cubic yards (cu yds), with 35% fluff added to the final yardage, will be removed from the Site (see Figure 4).

Matador is requesting this *background chloride and sampling variance* in order to remediate/excavate soil in the release area that exceed naturally occurring chloride concentrations. 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 regional geology with documented elevated chloride levels at or near the Site, remediation of soil to the strictest Closure Criteria of soil would require excessive excavation on pad and potentially beyond. This region has adapted to the elevated chloride concentrations in the soil and excessive excavation of native soil may alter the currently stable environment. Removal of gross impacts with chloride concentrations exceeding 6,470 mg/kg will support the current environment the site is within and will be equal or more protective of human health, the environment, and groundwater. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2513253339). **Matador intends to submit a remediation work plan to NMOCD by December 1, 2025.**

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 461130

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 461130
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Ray State Slot 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 8 BBL Recovered: 2 BBL Lost: 6 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 461130

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 461130
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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

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ACKNOWLEDGMENTS

Action 461130

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 461130
	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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CONDITIONS

Action 461130

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 461130
	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.	5/12/2025

Impacted Soil On-Pad	
Saturated Soil (inches)	
	1
Area (sq. ft.)	
	2001
Standing fluids	
inches of standing fluid	
	0.25
bbl estimate of standing fluids	
barrels recovered (if known)	
	2
Soil type	
	pad caliche
Spill type	
	produced water
Barrel estimate in soil	
	5.9
Barrel estimate (standing fluids/ recovered+in soil)	
	7.9

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QUESTIONS

Action 461137

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 461137
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Ray State Slot 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 8 BBL Recovered: 2 BBL Lost: 6 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 461137

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 461137
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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	<i>Not answered.</i>

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: 05/12/2025
--	--

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QUESTIONS, Page 3

Action 461137

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 461137
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
<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 461137

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 461137
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	5/12/2025

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QUESTIONS

Action 530868

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 530868
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ FAPP2202574461
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2202574461] Ray State Slot 3 Facility Tank Battery

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	RAY STATE SLOT 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 8 BBL Recovered: 2 BBL Lost: 6 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 530868

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 530868
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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	<i>Not answered.</i>

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: 12/01/2025
--	--

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QUESTIONS, Page 3

Action 530868

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 530868
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 500 and 1000 (ft.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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)	36500
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2307
GRO+DRO (EPA SW-846 Method 8015M)	1850
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	01/05/2026
On what date will (or did) the final sampling or liner inspection occur	01/16/2026
On what date will (or was) the remediation complete(d)	01/16/2026
What is the estimated surface area (in square feet) that will be reclaimed	3822
What is the estimated volume (in cubic yards) that will be reclaimed	304
What is the estimated surface area (in square feet) that will be remediated	3822
What is the estimated volume (in cubic yards) that will be remediated	304

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. 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.

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QUESTIONS, Page 4

Action 530868

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 530868
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land Disposal
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 12/01/2025
--	--

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

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QUESTIONS, Page 5

Action 530868

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 530868
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	No

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QUESTIONS, Page 6

Action 530868

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 530868
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 530868

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 530868
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with the following conditions: The requested background chloride values of 7,940 mg/kg and 4,110 mg/kg are denied. BG01's data may be removed from the previously averaged dataset and the three remaining background samples may be averaged to obtain the approved background chloride values: Surface=3,729 mg/kg, 1'=2,740 mg/kg, 2'=1,797 mg/kg, 3'=1,093 mg/kg, and 4'=903 mg/kg. Should remediation need to occur below 4' depth, Table I DTGW < 50 feet RRALs should be used. For the sidewalls, they should be delineated to the value above that correlates to their depth. If a sidewall is collected from 0-2 feet depth for instance, the 2' average would be used as the appropriate background chloride value. Ensure ample photographic documentation is provided of the remediated site prior to backfill to confirm excavation depths. A report is due to the OCD by 3/23/26.	12/23/2025

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QUESTIONS

Action 563762

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563762
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ FAPP2202574461
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202574461] Ray State Slot 3 Facility Tank Battery

Location of Release Source	
Site Name	RAY STATE SLOT 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,622
What is the estimated number of samples that will be gathered	28
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/19/2026
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.25514,-104.04419

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 563762

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563762
	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.	3/17/2026
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.	3/17/2026

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

QUESTIONS

Action 563767

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563767
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ FAPP2202574461
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202574461] Ray State Slot 3 Facility Tank Battery

Location of Release Source	
Site Name	RAY STATE SLOT 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
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CONDITIONS

Action 563767

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563767
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

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1220 S. St Francis Dr.
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QUESTIONS

Action 563777

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563777
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ FAPP2202574461
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202574461] Ray State Slot 3 Facility Tank Battery

Location of Release Source	
Site Name	RAY STATE SLOT 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

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CONDITIONS

Action 563777

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563777
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

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Santa Fe, NM 87505

QUESTIONS

Action 563784

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563784
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ FAPP2202574461
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202574461] Ray State Slot 3 Facility Tank Battery

Location of Release Source	
Site Name	RAY STATE SLOT 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

Sampling Event General Information	
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CONDITIONS

Action 563784

CONDITIONS

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

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QUESTIONS

Action 563794

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563794
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ FAPP2202574461
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202574461] Ray State Slot 3 Facility Tank Battery

Location of Release Source	
Site Name	RAY STATE SLOT 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

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CONDITIONS

Action 563794

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563794
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 563797

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563797
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ FAPP2202574461
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202574461] Ray State Slot 3 Facility Tank Battery

Location of Release Source	
Site Name	RAY STATE SLOT 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

Sampling Event General Information	
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Please provide any information necessary for navigation to sampling site	32.25514,-104.04419

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**State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505**

CONDITIONS

Action 563797

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 563797
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

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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.	3/17/2026
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 565575

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 565575
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ FAPP2202574461
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202574461] Ray State Slot 3 Facility Tank Battery

Location of Release Source	
Site Name	RAY STATE SLOT 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

Sampling Event General Information	
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CONDITIONS

Action 565575

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 565575
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

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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 565576

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 565576
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ FAPP2202574461
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2202574461] Ray State Slot 3 Facility Tank Battery

Location of Release Source	
Site Name	RAY STATE SLOT 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

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CONDITIONS

Action 565576

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 565576
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

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Attachment I

Approved Remediation Work Plan



December 1, 2025

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
Ray State Slot 3 TB
Incident Number: nAPP2513253339
Eddy County, New Mexico**

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company, (Matador), has prepared this *Remediation Work Plan (RWP)* to document assessment and soil sampling activities performed at the Ray State Slot 3 TB (Site) and proposing additional remedial actions. The purpose of the Site assessment and soil sampling activities was to address impacted soil resulting from a produced water release. Matador is submitting this *RWP*, describing analytical results from delineation soil sampling activities associated with Incident Number nAPP2513253339 and from an investigation into naturally occurring chloride at the Site. Matador is proposing excavation of the subject matter release within the parameters of a background chloride variance request and prior to submitting a *Deferral* or *Closure Request*.

BACKGROUND

The Site is located in Unit N, Section 36, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.25514°, -104.04419°) and is associated with oil and gas exploration and production operations on private land.

On May 11, 2025, an equipment failure resulted in the release of approximately 8 barrels (bbls) of produced water onto the pad surface; 2 bbls of produced water were recovered, 6 bbls of produced water were unrecoverable. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal and submitted a Release Notification Form C-141 (Form C-141) on May 12, 2025. The release was assigned Incident Number nAPP2513253339.

Due to the difficulty in completing lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I, an initial 90-day extension request was submitted to the NMOCD on August 11, 2025, and approved by the NMOCD on the same day. It was determined, through delineation soil sampling activities, that investigation into the naturally occurring background chloride at the Site would be necessary. NMOCD approved four background soil sample locations near the Site and Ensolum, on behalf of Matador, submitted a background chloride variance request to the NMOCD on September 19, 2025. The request was denied on the same day. A second 90-day extension request was submitted to the NMOCD and denied on November 10, 2025. On November 19, 2025, personnel from Ensolum, Matador, and the NMOCD met to further discuss the naturally occurring background chloride observed at the Site and a second background chloride variance was submitted on November 21, 2025.

In order to address the concerns regarding naturally occurring chloride at the Site, Matador is submitting this RWP, describing analytical results from delineation soil sampling activities and requesting a background chloride variance at the Site prior to beginning remediation of the subject matter release.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Site Assessment/Characterization is described below.

According to the New Mexico Office of the State Engineer (NMOSE), the closest permitted groundwater well with depth to groundwater data is CP 04901 POD1, located approximately 0.73 miles west of the Site. The well had a reported depth to groundwater of 52 feet below ground surface (bgs) and a total depth of 55 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is the Pecos River, located approximately 1,626 feet southeast of the Site.

The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is potentially underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on May 19, 2025, Ensolum personnel were onsite to delineate the lateral and vertical extent of the release as indicated by field observations and information provided in the C-141. Eight lateral soil samples (SS01 through SS08) were collected at ground surface and 1-foot bgs. Four boreholes (BH01 through BH04) were advanced via hand auger within the release extent to assess the vertical extent of impacted soil. Boreholes BH01 through BH04 were advanced to depths ranging from 3 feet to 8 feet bgs.

On June 25 and 26, 2025, Ensolum personnel returned to the Site to conduct background soil sampling to assess for the presence or absence of naturally occurring chloride in undisturbed soil horizons near the Site. Four background soil sample locations (BG01 through BG04) were selected based on vegetation, proximity to the Site and in areas that did not appear to be disturbed by oil and gas operations; The background sample locations were approved by the NMOCD on June 10, 2025. Boreholes BG01 through BG03 were collected at depths ranging from ground surface to 7 feet bgs and borehole BG04 was collected at depths ranging from ground surface to a refusal depth of 4 feet bgs.

Delineation soil sample locations are presented on Figure 2 and background soil sample locations are presented on Figure 3.

All delineation soil samples were field screened for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® Soil Analyzer System, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. Photographic documentation of delineation activities 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 constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS08 were all in compliance with the Site Closure Criteria at ground surface and 1-foot bgs (both located within the imported caliche pad). Laboratory analytical results for Boreholes BH01 and BH02 indicated all COCs were in compliance with the strictest Closure Criteria per NMOCD Table I at 1-foot bgs, and 2 feet bgs respectively (all within the imported caliche pad). The concentration of chloride begins to exceed the Site Closure Criteria at a depth of 2-feet bgs in BH01 and 4 feet bgs in BH02 indicating the terminus of the cut and fill pad and the beginning of the naturally occurring chloride horizons beneath the well pad. Laboratory analytical results for boreholes BH01 and BH04 indicated concentrations for TPH exceeded Site Closure Criteria at ground surface but were in compliance with the strictest Closure Criteria per NMOCD Table I for TPH at 1-foot bgs and 2 feet bgs, respectively. Laboratory analytical results for borehole BH03 indicated gross chloride impacts (>9,990 mg/kg) at ground surface but concentrations were within the natural range at 2 feet bgs.

Laboratory analytical results for background delineation soil sample BG01 indicated COC concentrations were in compliance with the Site Closure Criteria. Laboratory analytical results for background delineation soil samples BG02 through BG04 indicated concentrations for benzene, BTEX, and TPH were non-detect and chloride concentration were elevated (451 mg/kg to 9,990 mg/kg) at depths ranging from ground surface to 7 feet bgs. Laboratory analytical results are summarized in Tables 1 and 2, and the complete laboratory analytical reports are included as Appendix D.

BACKGROUND CHLORIDE VARIANCE

Vertical delineation results from delineation boreholes BH01 through BH04 indicated gross impacts from the release at ground surface (36,500 mg/kg) in BH04 to 2 feet bgs (6,470 mg/kg) in BH04. The drop in chloride concentration from ground surface (11,900 mg/kg) to 1-foot bgs (74.2 mg/kg) in BH01 and 12,300 mg/kg at ground surface to 485 mg/kg at 1-foot bgs in BH02, exhibit a demarcation of impacts in the non-chloride bearing, imported caliche material. The drop in chloride concentration from ground surface 2 feet bgs (7,940 mg/kg) to 4 feet bgs (714 mg/kg) indicates naturally occurring chlorides were not present in the imported caliche since concentrations directly beneath the imported caliche increase in chloride concentration. Gross impacts from the release are present from ground surface to approximately 2 feet bgs (6,470 mg/kg) in BH04. Obvious gross impacts from the produced water spill are generally confined to the top 2 feet of soil beneath the release footprint, and still with the upper

Matador Production Company
Remediation Work Plan
Ray State Slot 3 TB



portion of the imported caliche. The soil structure documented beneath the release extent is naturally high in chloride and is contributing to the perceived impacted soil beneath the release extent.

PROPOSED REMEDIATION WORK PLAN

Matador proposes to complete excavation activities at the Site according to the following actions:

- Vertical delineation in accordance with the strictest Closure Criteria has been met within the imported caliche material in boreholes BH01 and BH02. Vertical delineation in accordance with the proposed background chloride range of <20.0 mg/kg to 9,990 mg/kg was achieved in boreholes BH03 and BH04.
- The original release extent detected unnaturally high chloride concentrations (>9,990 mg/kg) with associated TPH impacts. Based on Table 2, impacted soil is demarcated by chloride concentrations ranging from 11,900 mg/kg to 36,500 mg/kg. Excavation of TPH and chloride impacted soil will be achieved through the removal of TPH impacts to below 100 mg/kg and chloride impacts to below 7,940 mg/kg based on the demarcation lines in Table 2. In general, excavation of impacted soil is anticipated to range from 1-foot to 2 feet bgs based on laboratory analytical data.
- Sidewall confirmation samples will be collected on a frequency of one composite samples for every 200 square feet of sidewall and will be collected in accordance with the strictest Closure Criteria in areas where the depth of the excavation remains within the imported pad material. If sidewall soil sample location depths extend beneath the constructed pad and into natural material, sidewall soil samples will meet a chloride concentration less than 4,110 mg/kg and a TPH concentration of less than 100 mg/kg. This concentration is within the range of naturally occurring chlorides and does not consider the outlier of 9,990 mg/kg.
- Based on laboratory analytical results, the proposed excavation extent measures 3,822 square feet in size and an estimated 340 cubic yards (35% expansion factor included), will be removed from the Site (see Figure 4).
- Excavate any impacted or waste-containing soil from within the release extent to the maximum extent practicable (MEP). Impacted and/or waste-containing soil will be transferred to an approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions.
- If there are areas to be deferred on pad due to the presence of equipment and/or pipelines, such as those under a lined secondary containment, lateral delineation samples will be collected to properly quantify the residual soil impacts that will be addressed during major Site reconstruction or following plugging and abandonment of the well and reclamation of the well pad.

Matador will complete the proposed excavation and soil sampling activities within 180 days of the date of approval of this *RWP* by the NMOCD.

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

Matador Production Company
Remediation Work Plan
Ray State Slot 3 TB



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

cc: Jason Touchet, Matador

Appendices:

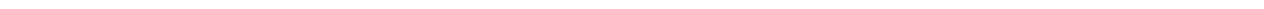
- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Background Delineation Soil Sample Locations
- Figure 4 Proposed Excavation Extent

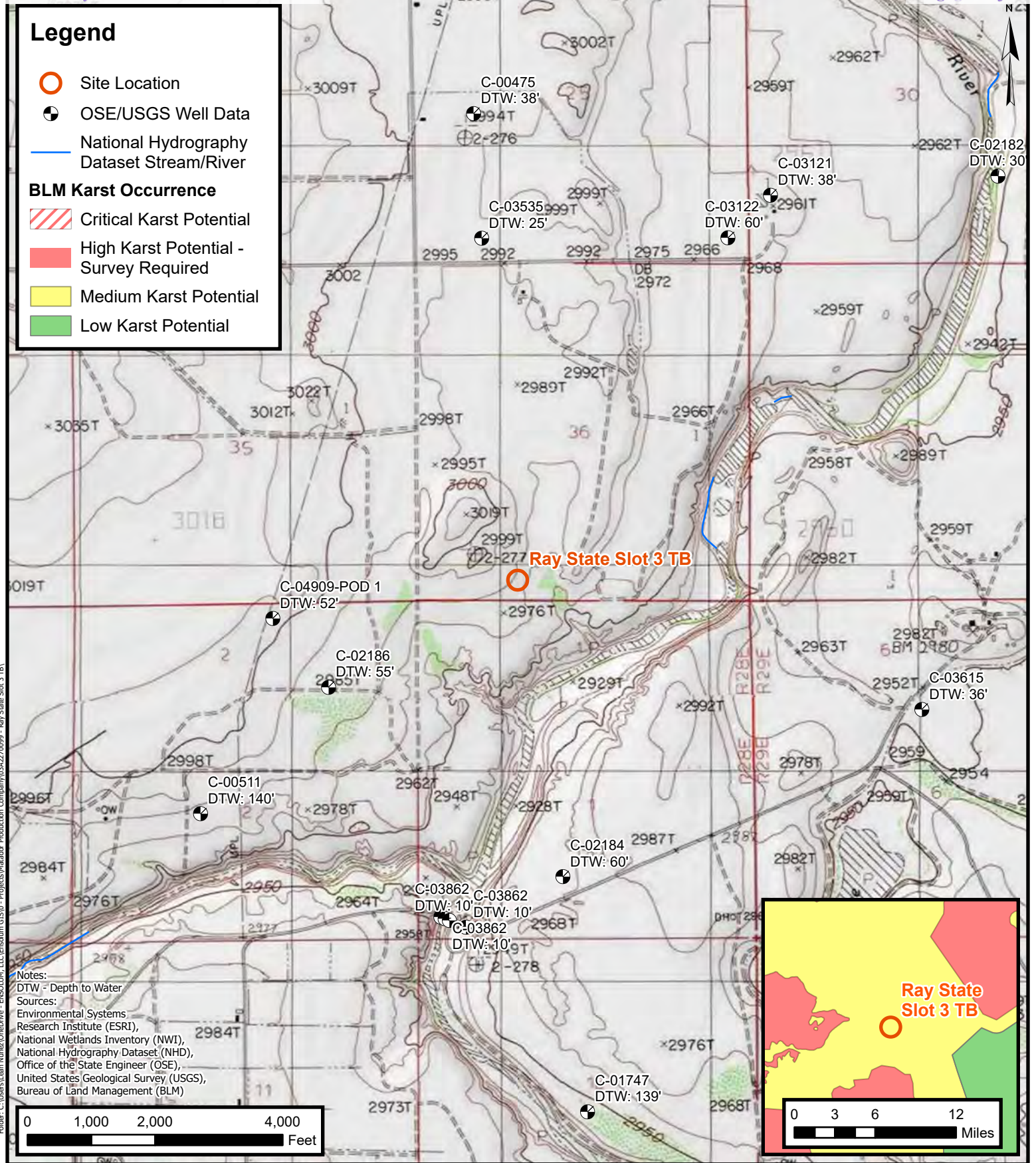
- Table 1 Soil Sample Analytical Results (Delineation Soil Samples)
- Table 2 Soil Sample Analytical Results (Background Delineation Soil Samples)
- Table 3 Background Delineation Soil Sample Averages

- 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





Site Receptor Map

Matador Production Company
 Ray State Slot 3 TB
 Incident Number: nAPP2513253339
 Unit N, Section 36, T 23S, R 28E
 Eddy County, New Mexico

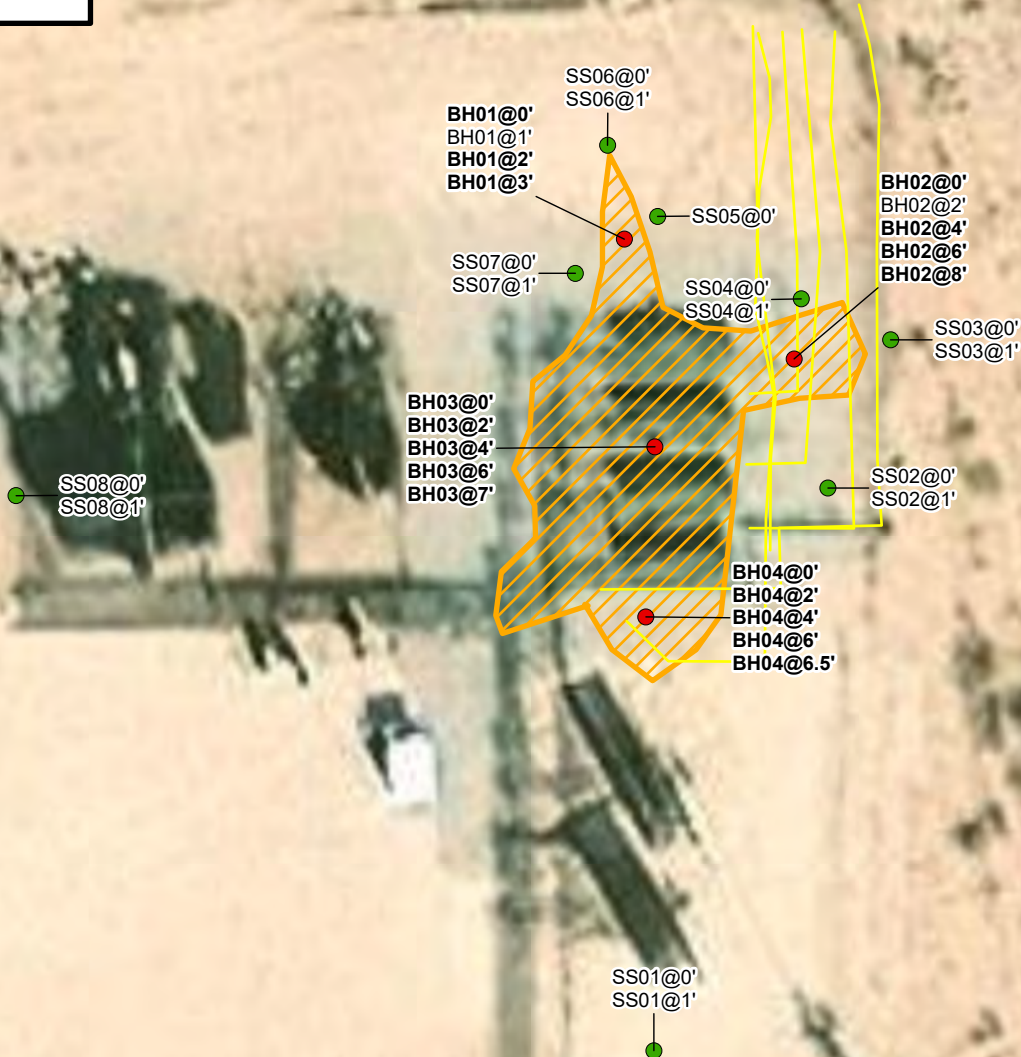
FIGURE

1

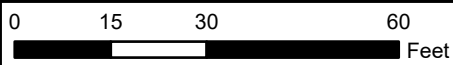


Legend

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



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in **bold** indicate sample exceeded applicable Closure Criteria.



Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

Matador Production Company
 Ray State Slot 3 TB
 Incident Number: nAPP2513253339
 Unit N, Section 36, T 23S, R 28E
 Eddy County, New Mexico

FIGURE

2



Legend

- Background Soil Sample in Compliance with Closure Criteria
- Background Soil Sample with Concentrations Exceeding Closure Criteria
- Background Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- ▨ Release Extent



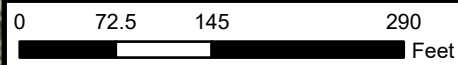
BG01@0'
 BG01@1'
 BG01@2'
 BG01@3'
 BG01@4'
 BG01@5'
 BG01@6'
 BG01@7'

BG04@0'
 BG04@1'
 BG04@2'
 BG04@3'
 BG04@4'

BG03@0'
 BG03@1'
 BG03@2'
 BG03@3'
 BG03@4'
 BG03@5'
 BG03@6'
 BG03@7'

BG02@0'
 BG02@1'
 BG02@2'
 BG02@3'
 BG02@4'
 BG02@5'
 BG02@6'
 BG02@7'

Notes:
 Sample ID @ Depth Below Ground/Surface.
 Samples in bold indicate sample exceeded applicable closure criteria.



Sources: Environmental Systems Research Institute (ESRI)





Background Soil Sample Locations

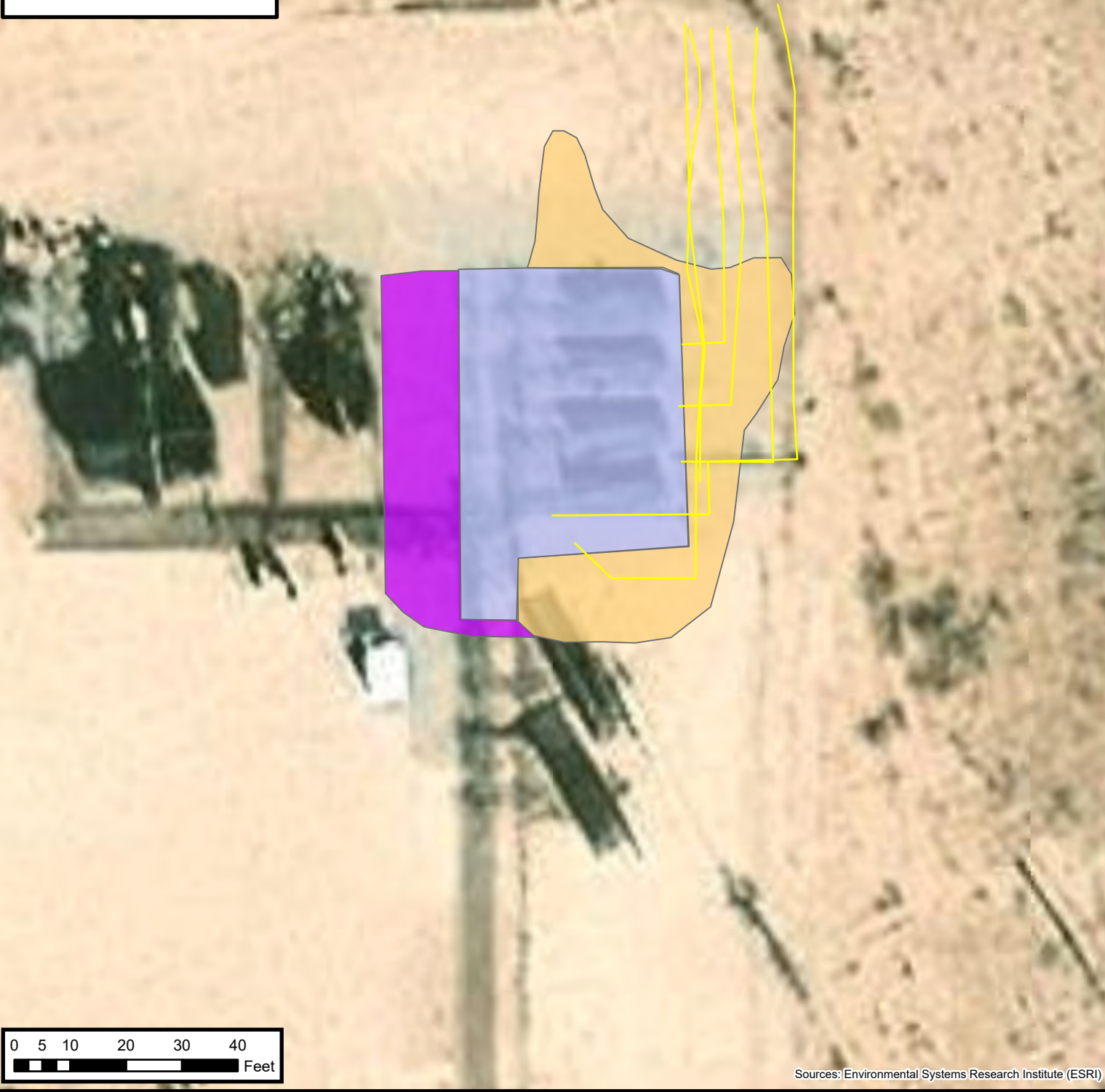
Matador Production Company
 Ray State Slot 3 TB
 Incident Number: nAPP2513253339
 Unit N, Section 36, T 23S, R 28E
 Eddy County, New Mexico

FIGURE
3

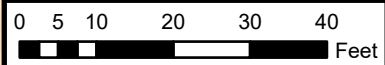


Legend

-  Oil and Gas Utility Line
 -  Area 1 - 1,565 sq ft @ 1' bgs
 -  Area 2 - 2,169 sq ft @ 2' bgs
 -  Area 3 - 888 sq ft @ 1' bgs
- Total Yardage - 340 cu yds w/ 35% fluff included



Folder: C:\Users\Justin Velazquez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\03A2270099 - Ray State Slot 3 TB\



Sources: Environmental Systems Research Institute (ESRI)



Proposed Excavation Extent

Matador Production Company
 Ray State Slot 3 TB
 Incident Number: nAPP2513253339
 Unit N, Section 36, T 23S, R 28E
 Eddy County, New Mexico

FIGURE
4



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	5/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	230
SS01	5/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	387
SS02	5/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	5/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	244
SS03	5/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	5/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	5/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	5/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	5/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	360
SS06	5/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
SS06	5/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.3
SS07	5/19/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
SS07	5/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
SS08	5/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.5
SS08	5/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	261
BH01	5/20/2025	0	<0.0250	<0.0500	<20.0	135	157	135	292	11,900
BH01	5/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.2
BH01	5/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	931
BH01	6/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,150
BH02	6/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	12,300
BH02	6/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	485
BH02	6/4/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,910
BH02	6/4/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,690
BH02	6/4/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,160

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy 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	NE	100	600
Delineation Soil Samples										
BH03	6/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,100
BH03	6/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,940
BH03	6/4/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	714
BH03	6/4/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,580
BH03	6/4/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,340
BH04	6/4/2025	0	<0.0250	0.164	<20.0	1,850	457	1,850	2,307	36,500
BH04	6/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,470
BH04	6/4/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,540
BH04	6/4/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,140
BH04	6/4/2025	6.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	665

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

"<": Laboratory Analytical result is less than reporting limit

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

Indicates depth containing gross chloride impacts to be excavated.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Background Delineation Soil Samples										
BG01*	6/25/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BG01*	6/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BG01*	6/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.7
BG01*	6/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.6
BG01*	6/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	113
BG01*	6/25/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	152
BG01*	6/25/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	257
BG01*	6/25/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	279
BG02*	6/25/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,160
BG02*	6/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,110
BG02*	6/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,910
BG02*	6/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,110
BG02*	6/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,600
BG02*	6/25/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,570
BG02*	6/25/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,620
BG02*	6/25/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,160
BG03*	6/25/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,990
BG03*	6/25/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,550
BG03*	6/25/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,610
BG03*	6/25/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,260
BG03*	6/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,090
BG03*	6/25/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	606
BG03*	6/25/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	451
BG03*	6/25/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	697



TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Ray State Slot 3 TB
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Background Delineation Soil Samples										
BG04*	6/26/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.1
BG04*	6/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,560
BG04*	6/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,870
BG04*	6/26/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	909
BG04*	6/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCDC: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

"<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

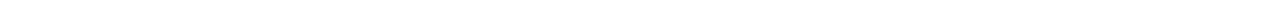
ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX A

Well Record and Log





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO (WELL NO) POD1		WELL TAG ID NO NA		OSE FILE NO(S) C 4901 POD1		
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS R347 N26th Rural Street 2nd Floor				CITY Artesia	STATE NM	ZIP 88210
	WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LATITUDE	32	15	12.89 N		
LONGITUDE				104	03	23.87 W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit B, Section 02, T 24S, R28E, Eddy County							

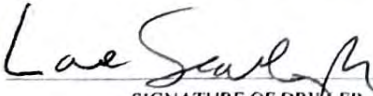
2. DRILLING & CASING INFORMATION	LICENSE NO WD1188		NAME OF LICENSED DRILLER John Scarborough			NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.		
	DRILLING STARTED 11/20/2024	DRILLING ENDED 11/20/2024	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) 52			
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 16		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	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	55	5.00	Soil Boring				

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				
				N/A		

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 04/30/19)			
FILE NO		POD NO		TRN NO			
LOCATION			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	10	10	Sandy Clay w/ Gypsum, White to Red, very fine to medium grained	Y ✓ N	
	10	15	5	Sandy Clay w/ Gypsum, Red to Medium Brown, very fine to medium grained	Y ✓ N	
	15	20	5	Inter-bedded Silty sand and Gypsum, Medium Brown to Red, fine to medium	Y ✓ N	
	20	30	10	Fat Clay w/ Gypsum, Dark to Medium Brown, fine to coarse grained	Y ✓ N	
	30	40	10	Inter-bedded Silty sand and Gypsum, Dark to Medium Brown, fine to medium	Y ✓ N	
	40	50	10	Inter-bedded Silty sand and Gypsum, Dark to Medium Brown, fine to medium	Y ✓ N	
	50	51	1	Clay, Dark to Medium Brown, very fine to fine grained	Y ✓ N	
	51	52	1	Gypsum, Clear to white, small to large crystals	Y ✓ N	
	52	55	3	Clay, Dark to Medium Brown, very fine to fine grained	✓ 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 material removed and soil boring backfilled using drill cuttings from total depth to 10 ft below ground surface (bgs), then hydrated bentonite chips 10 ft bgs to ground surface.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Scott Scarborough		


6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	 SIGNATURE OF DRILLER	Scott Scarborough PRINT SIGNEE NAME
		12/13/2024 DATE


FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	





APPENDIX B


Lithologic Soil Sampling Logs


					Sample Name: BH01		Date: 6/4/25		
					Site Name: Ray State Slot 3 TB				
					Incident Number: nAPP2513253339				
					Job Number: 03A2270099				
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger		
Coordinates: 32.255217, -104.044235					Hole Diameter: 3"		Total Depth: 3 FT.		
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. 40% correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M			Y	BH01	0	0	CCHE	Pad Claiche - Lt Brown to White, Fine to Coarse w/ Some Small to Large Gravel, Non-Plastic, Noncohesive, Non-Uniform	
M			N	BH01	1	1			
D	1,058		N	BH01	2	2	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.	
M	1,440		N	BH01	3	3			
Total Depth @ 3 feet bgs.									


					Sample Name: BH02		Date: 6/4/25		
					Site Name: Ray State Slot 3 TB				
					Incident Number: nAPP2513253339				
					Job Number: 03A2270099				
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger		
Coordinates: 32.255166, -104.044100					Hole Diameter: 3"		Total Depth: 8 FT.		
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. 40% correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
M			N	BH02	0	0		Pad Claiche - Lt Brown to White, Fine to Coarse w/ Some Small to Large Gravel, Non-Plastic, Noncohesive, Non-Uniform	
M			N	BH02	1	1	CCHE		
M	660		N	BH02	2	2	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.	
M	660		N	BH02	3	3			
M	2,413		N	BH02	4	4			
M	2,587		N	BH02	5	5			
M	2,766		N	BH02	6	6			
M	1,204		N	BH02	7	7			
M	1,848		N	BH02	8	8		Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.	
Total Depth @ 8 feet bgs.									


					Sample Name: BH03		Date: 6/4/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.255037, -104.044195					Hole Diameter: 3"		Total Depth: 7 FT.	
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. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH03	0	0	CCHE	Pad Claiche - Lt Brown to White, Fine to Coarse w/ Some Small to Large Gravel, Non-Plastic, Noncohesive, Non-Uniform
M	>3438		N	BH03	1	1	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M			N	BH03	2	2		
M	1,607		N	BH03	3	3		
M	795		N	BH03	4	4		
M	2,256		N	BH03	5	5		
M	3,192		N	BH03	6	6		
M	2,111		N	BH03	7	7		
Total Depth @ 7 feet bgs.								

					Sample Name: BH04		Date: 6/4/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.255119, -104.044206					Hole Diameter: 3"		Total Depth: 6.5 FT.	
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. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			N	BH04	0	0	CCHE	Pad Claiche - Lt Brown to White, Fine to Coarse w/ Some Small to Large Gravel, Non-Plastic, Noncohesive, Non-Uniform
M			N	BH04	1	1		
M			N	BH04	2	2	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M			N	BH04	3	3		
M	1,848		N	BH04	4	4		
M	1,114		N	BH04	5	5		
M	2,111		N	BH04	6	6		
M	1,246		N	BH04	6.5			
Total Depth @ 6.5 bgs.								

					Sample Name: BG01		Date: 6/25/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.254065, -104.046656					Hole Diameter: 3"		Total Depth: 7 FT.	
Comments: Field screening conducted with HACH Chloride Test Strips and Petrofsg® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. TPH field screen readings exceed Site Criteria are indicative of biological matter within the soil sample. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	ND	108	N	BG01	0	0	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	ND		N	BG01	1	1	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Dry, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	ND		N	BG01	2	2		
M	ND		N	BG01	3	3	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Dry, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	224		N	BG01	4	4		
M	296		N	BG01	5	5		
M	593		N	BG01	6	6		
M	431		N	BG01	7	7		
Total Depth @ 7 feet bgs.								

					Sample Name: BG02		Date: 6/25/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.254388, -104.043498					Hole Diameter: 3"		Total Depth: 7 FT.	
Comments: Field screening conducted with HACH Chloride Test Strips and Petrofsg [®] for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. TPH field screen readings exceed Site Criteria are indicative of biological matter within the soil sample. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	1,195	33	N	BG02	0	0		
M	>3,413		N	BG02	1	1	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	2,096		N	BG02	2	2		
M	1,106		N	BG02	3	3	SW-SM	
M	2,241		N	BG02	4	4		
M	2,241		N	BG02	5	5	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	2,096		N	BG02	6	6		
M	2,746	33	N	BG02	7	7		
Total Depth @ 7 feet bgs.								

					Sample Name: BG03		Date: 6/25/25			
					Site Name: Ray State Slot 3 TB					
					Incident Number: nAPP2513253339					
					Job Number: 03A2270099					
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger			
Coordinates: 32.254826, -104.043221					Hole Diameter: 3"		Total Depth: 7 FT.			
Comments: Field screening conducted with HACH Chloride Test Strips and Petrofsg® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. TPH field screen readings exceed Site Criteria are indicative of biological matter within the soil sample. 40% correction factors included.										
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
M	>3414	208	N	BG03	0	0	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.		
M	3,414		N	BG03	1	1				
M	1,232		N	BG03	2	2				
M	1,233		N	BG03	3	3				
M	1,290		N	BG03	4	4	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.		
M	717		N	BG03	5	5				
M	534		N	BG03	6	6				
M	790		N	BG03	7	7				
Total Depth @ 7 feet bgs.										

					Sample Name: BG04		Date: 6/26/25	
					Site Name: Ray State Slot 3 TB			
					Incident Number: nAPP2513253339			
					Job Number: 03A2270099			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.254997, -104.043037					Hole Diameter: 3"		Total Depth: 4 FT.	
Comments: Field screening conducted with HACH Chloride Test Strips and Petrofsg [®] for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. TPH field screen readings exceed Site Criteria are indicative of biological matter within the soil sample. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	ND		N	BG04	0	0	SM	Silty Sand - Medium to Light Brown, Fine to Very Fine w/ trace gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	1,712		N	BG04	1	1		
M	2,241		N	BG04	2	2	SW-SM	Sand with Silt - Medium to Light Brown, Fine to Very Fine w/ Trace Gravel, Moist, Non-Plastic, Non Cohesive, Massive, Well Graded.
M	1,195		N	BG04	3	3		
M	ND	80	N	BG04	4	4		
Total Depth @ 4 feet bgs.								

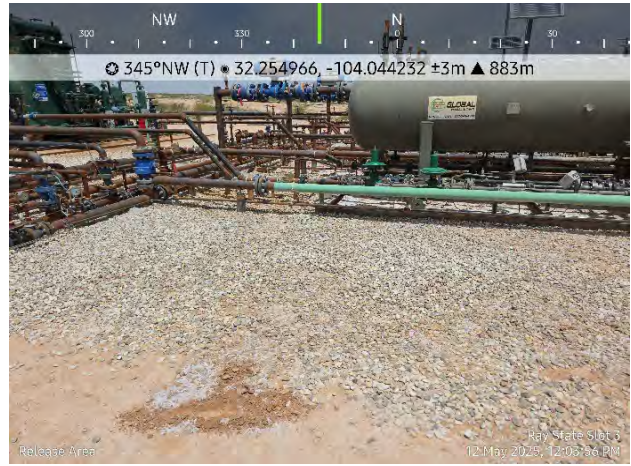


APPENDIX C

Photographic Log

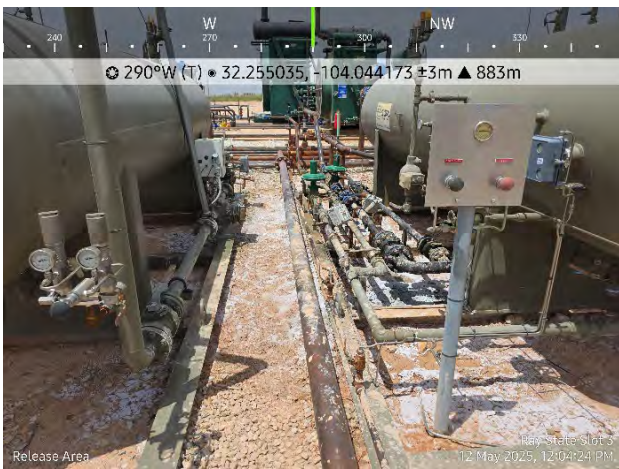


Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 1 Date: 5/19/2025
Description: Lease sign
View: Southeast

Photograph 2 Date: 5/12/2025
Description: Release Area
View: North



Photograph 3 Date: 5/12/2025
Description: Release Area
View: Northwest

Photograph 4 Date: 5/12/2025
Description: Release Area
View: South



Photographic Log
 Matador Production Company
 Ray State Slot 3 TB
 nAPP2513253339



Photograph 5
 Description: Release Area
 View: East

Date: 5/12/2025



Photograph 6
 Description: SS03
 View: Northeast

Date: 5/19/2025



Photograph 7
 Description: SS07
 View: Southwest

Date: 5/19/2025



Photograph 8
 Description: SS01
 View: West

Date: 5/20/2025



Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 9 Date: 5/20/2025
Description: BH01
View: Southeast



Photograph 10 Date: 6/4/2025
Description: BH02
View: Southwest



Photograph 11 Date: 6/4/2025
Description: BH03
View: Northwest



Photograph 12 Date: 6/4/2025
Description: BH04
View: West



Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 13 Date: 6/25/2025
Description: BG01
View: Southwest

Photograph 14 Date: 6/25/2025
Description: BG02
View: North



Photograph 15 Date: 6/25/2025
Description: BG03
View: North

Photograph 16 Date: 6/25/2025
Description: BG04
View: South



Photographic Log
Matador Production Company
Ray State Slot 3 TB
nAPP2513253339



Photograph 17 Date: 9/12/2025
Description: Pad Overview
View: Southeast



Photograph 18 Date: 9/12/2025
Description: Pad Overview
View: South



Photograph 19 Date: 9/12/2025
Description: Pad Overview
View: Southwest



Photograph 20 Date: 9/12/2025
Description: Pad Overview
View: North



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: Ray State Slot 3 TB

Work Order: E505233

Job Number: 23003-0002

Received: 5/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/28/25



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

Project Name: Ray State Slot 3 TB
Workorder: E505233
Date Received: 5/21/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/21/2025 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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Cell: 775-287-1762
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Raina Schwanz
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/28/25 10:04
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS03-0'	E505233-01A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS03-1'	E505233-02A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS04-0'	E505233-03A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS04-1'	E505233-04A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS05-0'	E505233-05A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS06-0'	E505233-06A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS06-1'	E505233-07A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS03-0'

E505233-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2521133
Chloride	ND	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS03-1'

E505233-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	ND	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS04-0'

E505233-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	ND	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS04-1'

E505233-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	ND	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS05-0'

E505233-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	360	100	5	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS06-0'

E505233-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	ND	40.0	2	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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SS06-1'

E505233-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2521088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	05/21/25	05/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2521106
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	05/21/25	05/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2521133
Chloride	28.3	20.0	1	05/23/25	05/23/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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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 (2521088-BLK1)

Prepared: 05/21/25 Analyzed: 05/23/25

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	8.35		8.00		104	70-130			

LCS (2521088-BS1)

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	4.81	0.0250	5.00		96.3	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130			
Toluene	4.81	0.0250	5.00		96.2	70-130			
o-Xylene	4.68	0.0250	5.00		93.7	70-130			
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130			
Total Xylenes	14.3	0.0250	15.0		95.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.65		8.00		108	70-130			

Matrix Spike (2521088-MS1)

Source: E505233-06

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	5.32	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.23	0.0250	5.00	ND	105	70-130			
Toluene	5.30	0.0250	5.00	ND	106	70-130			
o-Xylene	5.16	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.62		8.00		108	70-130			

Matrix Spike Dup (2521088-MSD1)

Source: E505233-06

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	5.55	0.0250	5.00	ND	111	70-130	4.31	27	
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130	4.41	26	
Toluene	5.54	0.0250	5.00	ND	111	70-130	4.38	20	
o-Xylene	5.40	0.0250	5.00	ND	108	70-130	4.43	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	4.42	23	
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130	4.42	26	
Surrogate: 4-Bromochlorobenzene-PID	8.62		8.00		108	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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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 (2521088-BLK1)

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		8.00		100	70-130			

LCS (2521088-BS2)

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			

Matrix Spike (2521088-MS2)

Source: E505233-06

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		103	70-130			

Matrix Spike Dup (2521088-MSD2)

Source: E505233-06

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	90.9	70-130	3.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.19		8.00		102	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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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 (2521106-BLK1)

Prepared: 05/21/25 Analyzed: 05/23/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.6		50.0		107	61-141			

LCS (2521106-BS1)

Prepared: 05/21/25 Analyzed: 05/24/25

Diesel Range Organics (C10-C28)	248	25.0	250		99.2	66-144			
Surrogate: <i>n</i> -Nonane	50.2		50.0		100	61-141			

Matrix Spike (2521106-MS1)

Source: E505231-03

Prepared: 05/21/25 Analyzed: 05/24/25

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	56-156			
Surrogate: <i>n</i> -Nonane	49.0		50.0		98.0	61-141			

Matrix Spike Dup (2521106-MSD1)

Source: E505231-03

Prepared: 05/21/25 Analyzed: 05/24/25

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	3.82	20	
Surrogate: <i>n</i> -Nonane	50.7		50.0		101	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 10:04:29AM
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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 (2521133-BLK1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride ND 20.0

LCS (2521133-BS1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride 254 20.0 250 102 90-110

Matrix Spike (2521133-MS1)

Source: E505231-03

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride 257 20.0 250 ND 103 80-120

Matrix Spike Dup (2521133-MSD1)

Source: E505231-03

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride 257 20.0 250 ND 103 80-120 0.0836 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/28/25 10:04
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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: <u>PayState Site 3 TB</u>				Address: 3122 National Parks Hwy				<u>E505233</u>		<u>230030002</u>					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: <u>agiovengo@ensolum.com</u>															
Phone: 575-988-0055				Miscellaneous:															
Email: <u>agiovengo@ensolum.com</u>																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/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		
0905	5/18/25	Soil	1	S503-0'		1								x						
1333				03-1'		2								x						
0907				04-0'		3								x						
1337				04-1'		4								x						
0910				05-0'		5								x						
0917				06-0'		6								x						
1408				06-1'		7								x						

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@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: Jenna Hinkle

Relinquished by: (Signature) <u>Jenna Hinkle</u>	Date 5-20-25	Time 1700	Received by: (Signature) <u>Larissa Ann Parker</u>	Date 5-20-25	Time 1600	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.
Relinquished by: (Signature) <u>Larissa Ann Parker</u>	Date 5-20-25	Time 2230	Received by: (Signature) <u>Caitlynn</u>	Date 5-21-25	Time 800	
Relinquished by: (Signature) <u>Caitlynn</u>	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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

Envirotech Analytical Laboratory

Printed: 5/21/2025 9:23:22AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC.	Date Received: 05/21/25 08:00	Work Order ID: E505233
Phone: (972) 371-5200	Date Logged In: 05/20/25 15:19	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 05/28/25 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

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

Comments/Resolution

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: Ray State Slot 3 TB

Work Order: E505239

Job Number: 23003-0002

Received: 5/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/28/25



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

Project Name: Ray State Slot 3 TB
Workorder: E505239
Date Received: 5/21/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/21/2025 8:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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,

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/28/25 16:17
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07-1'	E505239-01A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
SS07-0'	E505239-02A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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SS07-1'

E505239-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2521087
Benzene	ND	0.0250	1	05/21/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/28/25	
Toluene	ND	0.0250	1	05/21/25	05/28/25	
o-Xylene	ND	0.0250	1	05/21/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/28/25	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	05/21/25	05/28/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	05/21/25	05/28/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	05/21/25	05/28/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2521087
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/28/25	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	05/21/25	05/28/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	05/21/25	05/28/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	05/21/25	05/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2521077
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/27/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	05/21/25	05/27/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2521134
Chloride	ND	100	5	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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SS07-0'

E505239-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2521087
Benzene	ND	0.0250	1	05/21/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/28/25	
Toluene	ND	0.0250	1	05/21/25	05/28/25	
o-Xylene	ND	0.0250	1	05/21/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/28/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/21/25	05/28/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	05/21/25	05/28/25	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	05/21/25	05/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2521087
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/28/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	05/21/25	05/28/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	05/21/25	05/28/25	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	05/21/25	05/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521077
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/27/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	05/21/25	05/27/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2521134
Chloride	ND	100	5	05/23/25	05/23/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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Volatile Organic Compounds by EPA 8260B

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 (2521087-BLK1)

Prepared: 05/21/25 Analyzed: 05/23/25

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: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2521087-BS1)

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	2.42	0.0250	2.50		96.8	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.1	70-130			
Toluene	2.33	0.0250	2.50		93.3	70-130			
o-Xylene	2.33	0.0250	2.50		93.2	70-130			
p,m-Xylene	4.71	0.0500	5.00		94.2	70-130			
Total Xylenes	7.04	0.0250	7.50		93.9	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

Matrix Spike (2521087-MS1)

Source: E505231-09

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	2.48	0.0250	2.50	ND	99.1	48-131			
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135			
Toluene	2.48	0.0250	2.50	ND	99.4	48-130			
o-Xylene	2.29	0.0250	2.50	ND	91.7	43-135			
p,m-Xylene	4.64	0.0500	5.00	ND	92.9	43-135			
Total Xylenes	6.94	0.0250	7.50	ND	92.5	43-135			
Surrogate: Bromofluorobenzene	0.481		0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

Matrix Spike Dup (2521087-MSD1)

Source: E505231-09

Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	2.45	0.0250	2.50	ND	98.1	48-131	1.01	23	
Ethylbenzene	2.50	0.0250	2.50	ND	99.8	45-135	1.79	27	
Toluene	2.45	0.0250	2.50	ND	97.8	48-130	1.56	24	
o-Xylene	2.29	0.0250	2.50	ND	91.7	43-135	0.0436	27	
p,m-Xylene	4.65	0.0500	5.00	ND	92.9	43-135	0.0646	27	
Total Xylenes	6.94	0.0250	7.50	ND	92.5	43-135	0.0288	27	
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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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 (2521087-BLK1)

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2521087-BS2)

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	52.7	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike (2521087-MS2)

Source: E505231-09

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

Matrix Spike Dup (2521087-MSD2)

Source: E505231-09

Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	3.08	20	
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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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 (2521077-BLK1)

Prepared: 05/21/25 Analyzed: 05/27/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.2		50.0		110	61-141			

LCS (2521077-BS1)

Prepared: 05/21/25 Analyzed: 05/27/25

Diesel Range Organics (C10-C28)	291	25.0	250		116	66-144			
Surrogate: n-Nonane	51.3		50.0		103	61-141			

Matrix Spike (2521077-MS1)

Source: E505238-02

Prepared: 05/21/25 Analyzed: 05/27/25

Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156			
Surrogate: n-Nonane	55.5		50.0		111	61-141			

Matrix Spike Dup (2521077-MSD1)

Source: E505238-02

Prepared: 05/21/25 Analyzed: 05/27/25

Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	56-156	3.33	20	
Surrogate: n-Nonane	56.5		50.0		113	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/28/2025 4:17:30PM
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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 (2521134-BLK1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	ND	20.0							
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LCS (2521134-BS1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	253	20.0	250		101	90-110			
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Matrix Spike (2521134-MS1)

Source: E505234-04

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	345	20.0	250	86.8	103	80-120			
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Matrix Spike Dup (2521134-MSD1)

Source: E505234-04

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	335	20.0	250	86.8	99.2	80-120	2.87	20	
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/28/25 16:17
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Released to Imaging: 5/18/2026 11:36:48 AM

Received by OCD: 5/11/2026 1:56:36 PM

Page 12 of 13

Page 461 of 604

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: <u>Ray State Slat 3 TB</u>				Address: 3122 National Parks Hwy				<u>E505239</u>		<u>23018-0002</u>					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: 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	BGDQC - NM	BGDQC - TX	SDWA	CWA	RCRA	
1452	5/19/25	Soil	1	SS07-1'			1													
1255	5/19/25	Soil	1	SS07-0'			2													

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, rrai@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: Jenna Hinkle

Relinquished by: (Signature) <u>Jenna Hinkle</u>	Date <u>5/10/25</u>	Time <u>09:00</u>	Received by: (Signature) <u>Carolina Park</u>	Date <u>5.20.25</u>	Time <u>1045</u>	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) <u>Carolina Park</u>	Date <u>5.20.25</u>	Time <u>1700</u>	Received by: (Signature) <u>J.M.</u>	Date <u>5.20.25</u>	Time <u>1600</u>	
Relinquished by: (Signature) <u>J.M.</u>	Date <u>5.20.25</u>	Time <u>2230</u>	Received by: (Signature) <u>Carly Ann</u>	Date <u>5.21.25</u>	Time <u>800</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 5/21/2025 9:53:25AM

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: 05/21/25 08:00 Work Order ID: E505239
Phone: (972) 371-5200 Date Logged In: 05/20/25 15:36 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 05/28/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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: Ray State Slot 3 TB

Work Order: E505247

Job Number: 23003-0002

Received: 5/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/29/25

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

Date Reported: 5/29/25



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

Project Name: Ray State Slot 3 TB
Workorder: E505247
Date Received: 5/22/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/22/2025 6:45:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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,

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/29/25 10:48
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E505247-01A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
SS01-1'	E505247-02A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
SS02-0'	E505247-03A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
SS02-1'	E505247-04A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
SS08-0'	E505247-05A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
SS08-1'	E505247-06A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
BH01-0'	E505247-07A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
BH01-1'	E505247-08A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.
BH01-2'	E505247-09A	Soil	05/20/25	05/22/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS01-0'

E505247-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2521114	
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.3 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2521114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2521144	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2521137	
Chloride	230	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS01-1'

E505247-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.8 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	387	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS02-0'

E505247-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.4 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	ND	20.0	1	05/23/25	05/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS02-1'

E505247-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.9 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	244	20.0	1	05/23/25	05/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS08-0'

E505247-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.1 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.8 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>						
		113 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	61.5	20.0	1	05/23/25	05/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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SS08-1'

E505247-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.9 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	261	20.0	1	05/23/25	05/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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BH01-0'
E505247-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.0 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	135	25.0	1	05/23/25	05/23/25	
Oil Range Organics (C28-C36)	157	50.0	1	05/23/25	05/23/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	05/23/25	05/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	11900	200	10	05/23/25	05/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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BH01-1'
E505247-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.1 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.3 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/24/25	
<i>Surrogate: n-Nonane</i>						
		120 %	61-141	05/23/25	05/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2521137
Chloride	74.2	20.0	1	05/23/25	05/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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BH01-2'
E505247-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2521114
Benzene	ND	0.0250	1	05/22/25	05/24/25	
Ethylbenzene	ND	0.0250	1	05/22/25	05/24/25	
Toluene	ND	0.0250	1	05/22/25	05/24/25	
o-Xylene	ND	0.0250	1	05/22/25	05/24/25	
p,m-Xylene	ND	0.0500	1	05/22/25	05/24/25	
Total Xylenes	ND	0.0250	1	05/22/25	05/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2521114
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/25	05/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.0 %	70-130	05/22/25	05/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2521144
Diesel Range Organics (C10-C28)	ND	25.0	1	05/23/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/23/25	05/24/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	05/23/25	05/24/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2521137
Chloride	931	20.0	1	05/23/25	05/24/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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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 (2521114-BLK1)

Prepared: 05/22/25 Analyzed: 05/24/25

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	6.99		8.00		87.4	70-130			

LCS (2521114-BS1)

Prepared: 05/22/25 Analyzed: 05/24/25

Benzene	4.30	0.0250	5.00		86.1	70-130			
Ethylbenzene	4.40	0.0250	5.00		88.0	70-130			
Toluene	4.41	0.0250	5.00		88.2	70-130			
o-Xylene	4.36	0.0250	5.00		87.2	70-130			
p,m-Xylene	8.93	0.0500	10.0		89.3	70-130			
Total Xylenes	13.3	0.0250	15.0		88.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.13		8.00		89.2	70-130			

Matrix Spike (2521114-MS1)

Source: E505247-07

Prepared: 05/22/25 Analyzed: 05/24/25

Benzene	5.55	0.0250	5.00	ND	111	70-130			
Ethylbenzene	5.63	0.0250	5.00	ND	113	70-130			
Toluene	5.67	0.0250	5.00	ND	113	70-130			
o-Xylene	5.59	0.0250	5.00	ND	112	70-130			
p,m-Xylene	11.3	0.0500	10.0	ND	113	70-130			
Total Xylenes	16.9	0.0250	15.0	ND	113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.02		8.00		87.8	70-130			

Matrix Spike Dup (2521114-MSD1)

Source: E505247-07

Prepared: 05/22/25 Analyzed: 05/24/25

Benzene	5.21	0.0250	5.00	ND	104	70-130	6.28	27	
Ethylbenzene	5.35	0.0250	5.00	ND	107	70-130	5.26	26	
Toluene	5.34	0.0250	5.00	ND	107	70-130	5.95	20	
o-Xylene	5.29	0.0250	5.00	ND	106	70-130	5.53	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	4.84	23	
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130	5.07	26	
Surrogate: 4-Bromochlorobenzene-PID	7.05		8.00		88.1	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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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 (2521114-BLK1)

Prepared: 05/22/25 Analyzed: 05/24/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

LCS (2521114-BS2)

Prepared: 05/22/25 Analyzed: 05/27/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.7	70-130			

Matrix Spike (2521114-MS2)

Source: E505247-07

Prepared: 05/22/25 Analyzed: 05/24/25

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2521114-MSD2)

Source: E505247-07

Prepared: 05/22/25 Analyzed: 05/24/25

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130	8.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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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 (2521144-BLK1)

Prepared: 05/23/25 Analyzed: 05/23/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	57.0		50.0		114	61-141			

LCS (2521144-BS1)

Prepared: 05/23/25 Analyzed: 05/23/25

Diesel Range Organics (C10-C28)	302	25.0	250		121	66-144			
Surrogate: <i>n</i> -Nonane	55.3		50.0		111	61-141			

Matrix Spike (2521144-MS1)

Source: E505247-03

Prepared: 05/23/25 Analyzed: 05/23/25

Diesel Range Organics (C10-C28)	319	25.0	250	ND	127	56-156			
Surrogate: <i>n</i> -Nonane	59.7		50.0		119	61-141			

Matrix Spike Dup (2521144-MSD1)

Source: E505247-03

Prepared: 05/23/25 Analyzed: 05/23/25

Diesel Range Organics (C10-C28)	335	25.0	250	ND	134	56-156	4.98	20	
Surrogate: <i>n</i> -Nonane	58.4		50.0		117	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 5/29/2025 10:48:30AM
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Anions by EPA 300.0/9056A

Analyst: RAS

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 (2521137-BLK1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	ND	20.0							
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LCS (2521137-BS1)

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	259	20.0	250		103	90-110			
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Matrix Spike (2521137-MS1)

Source: E505247-03

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	272	20.0	250	ND	109	80-120			
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Matrix Spike Dup (2521137-MSD1)

Source: E505247-03

Prepared: 05/23/25 Analyzed: 05/23/25

Chloride	273	20.0	250	ND	109	80-120	0.341	20	
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 05/29/25 10:48
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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: <u>Ray State Site 3TB</u>				Address: 3122 National Parks Hwy				<u>E 505247</u>		<u>23003-0002</u>					X	X			
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agioveno@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	
1311	5/21/25	Soil	1	SS01-0'			1													
1315				01-1'			2													
1008				02-0'			3													
1014				02-1'			4													
1017				08-0'			5													
1023				08-1'			6													
1450				BH01-0'			7													
1502				01-1'			8													
1509				01-2'			9													

Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, rrai@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>Jenna Hinkle</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N					
<u>Jenna Hinkle</u>	<u>5/21/25</u>	<u>6:57</u>	<u>Michelle Gonzalez</u>	<u>5.21.25</u>	<u>0657</u>						
<u>Michelle Gonzalez</u>	<u>5.21.25</u>	<u>1615</u>	<u>John H.</u>	<u>5.21.25</u>	<u>1645</u>						
<u>John H.</u>	<u>5.21.25</u>	<u>2300</u>	<u>Carla Moore</u>	<u>5.22.25</u>	<u>1045</u>						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 5/22/2025 7:39:11AM

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: 05/22/25 06:45 Work Order ID: E505247
Phone: (972) 371-5200 Date Logged In: 05/21/25 14:33 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 05/29/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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: Ray State Slot 3 TB

Work Order: E506035

Job Number: 23003-0002

Received: 6/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/12/25



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

Project Name: Ray State Slot 3 TB
Workorder: E506035
Date Received: 6/6/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2025 6:45:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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
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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: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/12/25 08:52
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-3'	E506035-01A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH02-0'	E506035-02A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH02-2'	E506035-03A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH02-4'	E506035-04A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH02-6'	E506035-05A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH02-8'	E506035-06A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH03-0'	E506035-07A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH03-2'	E506035-08A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH03-4'	E506035-09A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH03-6'	E506035-10A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH03-7'	E506035-11A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH04-0'	E506035-12A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH04-2'	E506035-13A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH04-4'	E506035-14A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH04-6'	E506035-15A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.
BH04-6.5'	E506035-16A	Soil	06/04/25	06/06/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH01-3'
E506035-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.9 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1150	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH02-0'
E506035-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.0 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	12300	400	20	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH02-2'
E506035-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.8 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		110 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	485	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH02-4'
E506035-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1910	40.0	2	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH02-6'
E506035-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	2690	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH02-8'
E506035-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.8 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	2160	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH03-0'

E506035-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	14100	400	20	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH03-2'
E506035-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.6 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	7940	200	10	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH03-4'
E506035-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.9 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	714	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH03-6'
E506035-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.0 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1580	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH03-7'

E506035-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.9 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1340	200	10	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH04-0'
E506035-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	0.0809	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	0.0832	0.0500	1	06/06/25	06/06/25	
Total Xylenes	0.164	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	1850	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	457	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	36500	1000	50	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH04-2'
E506035-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/06/25	
Toluene	ND	0.0250	1	06/06/25	06/06/25	
o-Xylene	ND	0.0250	1	06/06/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.0 %	70-130	06/06/25	06/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	6470	200	10	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH04-4'
E506035-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1540	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH04-6'
E506035-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	1140	20.0	1	06/06/25	06/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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BH04-6.5'

E506035-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Benzene	ND	0.0250	1	06/06/25	06/07/25	
Ethylbenzene	ND	0.0250	1	06/06/25	06/07/25	
Toluene	ND	0.0250	1	06/06/25	06/07/25	
o-Xylene	ND	0.0250	1	06/06/25	06/07/25	
p,m-Xylene	ND	0.0500	1	06/06/25	06/07/25	
Total Xylenes	ND	0.0250	1	06/06/25	06/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523144
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/25	06/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.2 %	70-130	06/06/25	06/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523138
Diesel Range Organics (C10-C28)	ND	25.0	1	06/06/25	06/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/06/25	06/07/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/06/25	06/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523152
Chloride	665	20.0	1	06/06/25	06/07/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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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 (2523144-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.29		8.00		104	70-130			

LCS (2523144-BS1)

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

Benzene	4.53	0.0250	5.00		90.6	70-130			
Ethylbenzene	4.55	0.0250	5.00		91.0	70-130			
Toluene	4.50	0.0250	5.00		90.1	70-130			
o-Xylene	4.56	0.0250	5.00		91.2	70-130			
p,m-Xylene	8.91	0.0500	10.0		89.1	70-130			
Total Xylenes	13.5	0.0250	15.0		89.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.42		8.00		105	70-130			

Matrix Spike (2523144-MS1)

Source: E506035-08

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

Benzene	4.90	0.0250	5.00	ND	97.9	70-130			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	70-130			
Toluene	4.87	0.0250	5.00	ND	97.4	70-130			
o-Xylene	4.89	0.0250	5.00	ND	97.9	70-130			
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			

Matrix Spike Dup (2523144-MSD1)

Source: E506035-08

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

Benzene	4.89	0.0250	5.00	ND	97.7	70-130	0.208	27	
Ethylbenzene	4.91	0.0250	5.00	ND	98.1	70-130	0.122	26	
Toluene	4.86	0.0250	5.00	ND	97.1	70-130	0.231	20	
o-Xylene	4.89	0.0250	5.00	ND	97.7	70-130	0.168	25	
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	70-130	0.201	23	
Total Xylenes	14.5	0.0250	15.0	ND	96.5	70-130	0.190	26	
Surrogate: 4-Bromochlorobenzene-PID	8.48		8.00		106	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2523144-BLK1)

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

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

LCS (2523144-BS2)

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

Gasoline Range Organics (C6-C10)	36.8	20.0	50.0		73.7	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130		

Matrix Spike (2523144-MS2)

Source: E506035-08

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

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130		

Matrix Spike Dup (2523144-MSD2)

Source: E506035-08

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

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	0.219	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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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 (2523138-BLK1)

Prepared: 06/06/25 Analyzed: 06/07/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	61-141			

LCS (2523138-BS1)

Prepared: 06/06/25 Analyzed: 06/07/25

Diesel Range Organics (C10-C28)	282	25.0	250		113	66-144			
Surrogate: n-Nonane	51.8		50.0		104	61-141			

Matrix Spike (2523138-MS1)

Source: E506035-05

Prepared: 06/06/25 Analyzed: 06/07/25

Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	53.3		50.0		107	61-141			

Matrix Spike Dup (2523138-MSD1)

Source: E506035-05

Prepared: 06/06/25 Analyzed: 06/07/25

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156	0.391	20	
Surrogate: n-Nonane	54.0		50.0		108	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/12/2025 8:52:19AM
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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 (2523152-BLK1)

Prepared: 06/06/25 Analyzed: 06/07/25

Chloride ND 20.0

LCS (2523152-BS1)

Prepared: 06/06/25 Analyzed: 06/07/25

Chloride 250 20.0 250 100 90-110

Matrix Spike (2523152-MS1)

Source: E506035-05

Prepared: 06/06/25 Analyzed: 06/07/25

Chloride 2920 20.0 250 2690 92.1 80-120

Matrix Spike Dup (2523152-MSD1)

Source: E506035-05

Prepared: 06/06/25 Analyzed: 06/07/25

Chloride 2880 20.0 250 2690 76.3 80-120 1.36 20 M4

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/12/25 08:52
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E506035		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	
945	6/4/25	soil	1	BH01-3'		1								X					
949				02-0'		2								X					
958				02-2'		3								X					
1252				02-4'		4								X					
1326				02-6'		5								X					
1408				02-7'		6								X					
1000				03-0'		7								X					
1012				03-2'		8								X					
1255				03-4'		9								X					
1334				03-6'		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: Israel Estrella																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: 0/N							
		6/5/25		7:11		Michelle Gonzales		6-5-25		0711									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Michelle Gonzales		6-5-25		1615		John M.		6-5-25		1615									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
John M.		6-5-25		2330		Noe Sato		6-6-25		0645									
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.																			

Released to Imaging: 5/18/2026 11:36:48 AM

Received by OCD: 5/11/2026 1:56:36 PM

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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				ES06035		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														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	EGDOC - NM	EGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
1336	6/4/25	soil	1	B#03-7'		11								X					
1020				B#04-0'		12								X					
1028				04-2'		13								X					
1102				04-4'		14								X					
1340				04-6'		15								X					
1342				04-6.5'		16								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: Israel Estrella																			
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed 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			
				6/5/25		7:11		Michelle Gonzalez				6-5-25		0711					
Michelle Gonzalez				6-5-25		1615						6-5-25		1615					
				6-5-25		2330		Nee Soto				6-6-25		0645					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

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Envirotech Analytical Laboratory

Printed: 6/6/2025 9:45:25AM

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: 06/06/25 06:45	Work Order ID: E506035
Phone: (972) 371-5200	Date Logged In: 06/05/25 15:07	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 06/12/25 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? No
- 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.

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

Comments/Resolution

Visible whiteout on COC.

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

Date



envirotech Inc.



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 Name: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E506035		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 9000	TCEQ 1005 - TX	RCRA 8 Metals	BODOC - NM	BODOC - TX	SDWA	CWA	RCRA	
945	6/4/25	soil	1	BIT01-3'		1								X					
949				02-0'		2								X					
958				02-2'		3								X					
1252				02-4'		4								X					
1326				02-6'		5								X					
1408				02-7 th 8'		6								X					
1000				03-0'		7								X					
1012				03-2'		8								X					
1255				03-4'		9								X					
1334				03-6'		10								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmbir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.									
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 Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				ES06035		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	TCED 1005 - TX	RCRA 8 Metals	BIGDOC - NM	BIGDOC - TX	SDWA	CWA	RCRA	
1336	6/4/25	soil	1	BH03-7'		11								X					
1020				BH04-0'		12								X					
1028				04-2'		13								X					
1102				04-4'		14								X					
1340				04-6'		15								X					
1342				04-6.5'		16								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Israel Estrella</u>																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N											
		6/5/25	7:11	Michelle Gonzales		6-5-25	0711												
Michelle Gonzales		6-5-25	1615			6-5-25	1615												
		6-5-25	2330	Nae Soto		6-6-25	0645												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Ray State Slot 3 TB

Work Order: E506269

Job Number: 23003-0002

Received: 6/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/3/25

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: 7/3/25

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

Project Name: Ray State Slot 3 TB
Workorder: E506269
Date Received: 6/27/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/27/2025 7:00:00AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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,

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Cell: 775-287-1762
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/03/25 13:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG01-0'	E506269-01A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-1'	E506269-02A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-2'	E506269-03A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-3'	E506269-04A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-4'	E506269-05A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-5'	E506269-06A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-6'	E506269-07A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG01-7'	E506269-08A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-0'	E506269-09A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-1'	E506269-10A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-2'	E506269-11A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-3'	E506269-12A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-4'	E506269-13A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-5'	E506269-14A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-6'	E506269-15A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BG02-7'	E506269-16A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-0'
E506269-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526167	
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.9 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526167	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.2 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2527041	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527048	
Chloride	ND	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-1'
E506269-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.7 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.3 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	ND	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-2'
E506269-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.7 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.4 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	20.7	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-3'
E506269-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.6 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.7 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	56.6	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-4'
E506269-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.4 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.4 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	113	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-5'
E506269-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.3 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.8 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	152	100	5	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-6'
E506269-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.3 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.1 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		99.5 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	257	100	5	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG01-7'
E506269-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.8 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.1 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	279	100	5	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-0'

E506269-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.6 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.5 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1160	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-1'
E506269-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.7 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		79.4 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	4110	40.0	2	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-2'
E506269-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.9 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.9 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1910	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-3'
E506269-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.5 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.4 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		114 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1110	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-4'
E506269-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.2 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.6 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1600	40.0	2	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-5'
E506269-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.9 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.1 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		109 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1570	20.0	1	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-6'
E506269-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.0 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.1 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	1620	40.0	2	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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BG02-7'
E506269-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Benzene	ND	0.0250	1	06/28/25	06/30/25	
Ethylbenzene	ND	0.0250	1	06/28/25	06/30/25	
Toluene	ND	0.0250	1	06/28/25	06/30/25	
o-Xylene	ND	0.0250	1	06/28/25	06/30/25	
p,m-Xylene	ND	0.0500	1	06/28/25	06/30/25	
Total Xylenes	ND	0.0250	1	06/28/25	06/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2526167
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	06/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.5 %	70-130	06/28/25	06/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2527041
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2527048
Chloride	2160	40.0	2	07/01/25	07/02/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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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 (2526167-BLK1)

Prepared: 06/28/25 Analyzed: 06/29/25

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	7.19		8.00		89.9	70-130			

LCS (2526167-BS1)

Prepared: 06/28/25 Analyzed: 06/29/25

Benzene	4.62	0.0250	5.00		92.3	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.5	70-130			
Toluene	4.63	0.0250	5.00		92.6	70-130			
o-Xylene	4.65	0.0250	5.00		93.0	70-130			
p,m-Xylene	9.28	0.0500	10.0		92.8	70-130			
Total Xylenes	13.9	0.0250	15.0		92.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.3	70-130			

Matrix Spike (2526167-MS1)

Source: E506269-03

Prepared: 06/28/25 Analyzed: 06/30/25

Benzene	4.65	0.0250	5.00	ND	93.0	70-130			
Ethylbenzene	4.64	0.0250	5.00	ND	92.7	70-130			
Toluene	4.66	0.0250	5.00	ND	93.2	70-130			
o-Xylene	4.67	0.0250	5.00	ND	93.4	70-130			
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	70-130			
Total Xylenes	14.0	0.0250	15.0	ND	93.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.6	70-130			

Matrix Spike Dup (2526167-MSD1)

Source: E506269-03

Prepared: 06/28/25 Analyzed: 06/30/25

Benzene	5.49	0.0250	5.00	ND	110	70-130	16.5	27	
Ethylbenzene	5.48	0.0250	5.00	ND	110	70-130	16.8	26	
Toluene	5.51	0.0250	5.00	ND	110	70-130	16.7	20	
o-Xylene	5.52	0.0250	5.00	ND	110	70-130	16.7	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	16.3	23	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	16.4	26	
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.7	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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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 (2526167-BLK1)

Prepared: 06/28/25 Analyzed: 06/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.3	70-130			

LCS (2526167-BS2)

Prepared: 06/28/25 Analyzed: 06/30/25

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.66		8.00		83.2	70-130			

Matrix Spike (2526167-MS2)

Source: E506269-03

Prepared: 06/28/25 Analyzed: 06/30/25

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.2	70-130			

Matrix Spike Dup (2526167-MSD2)

Source: E506269-03

Prepared: 06/28/25 Analyzed: 06/30/25

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0	ND	80.9	70-130	4.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.36		8.00		79.5	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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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 (2527041-BLK1)

Prepared: 06/30/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.2		50.0		102	61-141			

LCS (2527041-BS1)

Prepared: 06/30/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	286	25.0	250		114	66-144			
Surrogate: n-Nonane	53.9		50.0		108	61-141			

Matrix Spike (2527041-MS1)

Source: E506269-11

Prepared: 06/30/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	53.2		50.0		106	61-141			

Matrix Spike Dup (2527041-MSD1)

Source: E506269-11

Prepared: 06/30/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156	4.03	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: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/3/2025 1:06:45PM
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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 (2527048-BLK1)

Prepared: 07/01/25 Analyzed: 07/02/25

Chloride ND 20.0

LCS (2527048-BS1)

Prepared: 07/01/25 Analyzed: 07/02/25

Chloride 251 20.0 250 100 90-110

Matrix Spike (2527048-MS1)

Source: E506269-09

Prepared: 07/01/25 Analyzed: 07/02/25

Chloride 1290 20.0 250 1160 53.3 80-120 M4

Matrix Spike Dup (2527048-MSD1)

Source: E506269-09

Prepared: 07/01/25 Analyzed: 07/02/25

Chloride 1350 20.0 250 1160 77.7 80-120 4.63 20 M4

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/03/25 13:06
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



230030002 On 6/27/25

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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E506219		01055					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220				Phone: 575-988-0055		Email: agiovengo@ensolum.com									
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			
9:29	6/25/2025	Soil	1	BG01-0'			1								X		2.4				
9:32	6/25/2025	Soil	1	BG01-1'			2								X		2.3				
9:33	6/25/2025	Soil	1	BG01-2'			3								X		1.6				
9:35	6/25/2025	Soil	1	BG01-3'			4								X		6.0				
9:40	6/25/2025	Soil	1	BG01-4'			5								X		0.9				
9:42	6/25/2025	Soil	1	BG01-5'			6								X		1.7				
9:46	6/25/2025	Soil	1	BG01-6'			7								X		1.1				
10:15	6/25/2025	Soil	1	BG01-7'			8								X		1.4				

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: Gus Sanchez										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.									
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: (Y/N)													
<i>[Signature]</i>	6-26-25	7:18	<i>Michelle Gonzales</i>	6-26-25	0718														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>Michelle Gonzales</i>	6-26-25	1620	<i>[Signature]</i>	6-26-25	1620														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>[Signature]</i>	6-26-25	2300	<i>Caitlynn</i>	6-27-25	700														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

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: Ray State Slot 3 TB				Address: 3122 National Parks Hwy				E50102109		230030002					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA			
11:42	6/25/2025	Soil	1	BG02-0'		9								X							
11:45	6/25/2025	Soil	1	BG02-1'		10								X							
11:47	6/25/2025	Soil	1	BG02-2'		11								X							
11:48	6/25/2025	Soil	1	BG02-3'		12								X							
12:12	6/25/2025	Soil	1	BG02-4'		13								X							
12:15	6/25/2025	Soil	1	BG02-5'		14								X							
12:18	6/25/2025	Soil	1	BG02-6'		15								X							
12:20	6/25/2025	Soil	1	BG02-7'		16								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: Gus Sanchez						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.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: Y/N					
<i>[Signature]</i>	6-26-25	7:18	<i>Michelle Gonzales</i>	6-26-25	0718						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	6-26-25	1620	<i>A.M.</i>	6-26-25	1620						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>A.M.</i>	6-26-25	2300	<i>Carly Mar</i>	6-27-25	700						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 6/27/2025 12:52:42PM

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: 06/27/25 07:00	Work Order ID: E506269
Phone: (972) 371-5200	Date Logged In: 06/26/25 16:12	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 07/03/25 17:00 (4 day TAT)	

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Ray State Slot 3 TB

Work Order: E506284

Job Number: 23003-0002

Received: 6/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/7/25

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: 7/7/25

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



Project Name: Ray State Slot 3 TB
Workorder: E506284
Date Received: 6/28/2025 9:30:58AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/28/2025 9:30:58AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/07/25 16:30
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG03-0'	E506284-01A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-1'	E506284-02A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-2'	E506284-03A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-3'	E506284-04A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-4'	E506284-05A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-5'	E506284-06A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-6'	E506284-07A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.
BG03-7'	E506284-08A	Soil	06/25/25	06/28/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-0'
E506284-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.3 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2527115
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	9990	200	10	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-1'
E506284-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.5 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.5 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2527115
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
		98.1 %	61-141	07/03/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	2550	40.0	2	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-2'
E506284-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.1 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	06/30/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	1610	40.0	2	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-3'
E506284-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.6 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/30/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	1260	20.0	1	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-4'
E506284-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.3 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.8 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/30/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	1090	20.0	1	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-5'
E506284-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	606	40.0	2	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-6'

E506284-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.9 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2527080
Chloride	451	20.0	1	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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BG03-7'

E506284-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Benzene	ND	0.0250	1	06/28/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/01/25	
Toluene	ND	0.0250	1	06/28/25	07/01/25	
o-Xylene	ND	0.0250	1	06/28/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2526174
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.8 %	70-130	06/28/25	07/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2527042
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/02/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	06/30/25	07/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	697	20.0	1	07/02/25	07/03/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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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 (2526174-BLK1)

Prepared: 06/28/25 Analyzed: 07/01/25

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	7.67		8.00		95.9	70-130			

LCS (2526174-BS1)

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	4.73	0.0250	5.00		94.7	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.3	70-130			
Toluene	4.71	0.0250	5.00		94.2	70-130			
o-Xylene	4.71	0.0250	5.00		94.3	70-130			
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130			
Total Xylenes	14.2	0.0250	15.0		94.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike (2526174-MS1)

Source: E506282-03

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	4.47	0.0250	5.00	ND	89.5	70-130			
Ethylbenzene	4.45	0.0250	5.00	ND	89.0	70-130			
Toluene	4.47	0.0250	5.00	ND	89.4	70-130			
o-Xylene	4.46	0.0250	5.00	ND	89.2	70-130			
p,m-Xylene	9.06	0.0500	10.0	ND	90.6	70-130			
Total Xylenes	13.5	0.0250	15.0	ND	90.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

Matrix Spike Dup (2526174-MSD1)

Source: E506282-03

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	5.26	0.0250	5.00	ND	105	70-130	16.2	27	
Ethylbenzene	5.26	0.0250	5.00	ND	105	70-130	16.7	26	
Toluene	5.27	0.0250	5.00	ND	105	70-130	16.4	20	
o-Xylene	5.22	0.0250	5.00	ND	104	70-130	15.8	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	16.5	23	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	16.2	26	
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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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 (2526174-BLK1)

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		8.00		99.8	70-130			

LCS (2526174-BS2)

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0		98.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		8.00		103	70-130			

Matrix Spike (2526174-MS2)

Source: E506282-03

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			

Matrix Spike Dup (2526174-MSD2)

Source: E506282-03

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.1	70-130	5.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		103	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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 (2527042-BLK1)

Prepared: 06/30/25 Analyzed: 07/01/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.0		50.0		124	61-141			

LCS (2527042-BS1)

Prepared: 06/30/25 Analyzed: 07/01/25

Diesel Range Organics (C10-C28)	275	25.0	250		110	66-144			
Surrogate: n-Nonane	50.7		50.0		101	61-141			

Matrix Spike (2527042-MS1)

Source: E506276-05

Prepared: 06/30/25 Analyzed: 07/01/25

Diesel Range Organics (C10-C28)	2470	25.0	250	2470	2.37	56-156			M4
Surrogate: n-Nonane	64.0		50.0		128	61-141			

Matrix Spike Dup (2527042-MSD1)

Source: E506276-05

Prepared: 06/30/25 Analyzed: 07/01/25

Diesel Range Organics (C10-C28)	2570	25.0	250	2470	41.8	56-156	3.91	20	M4
Surrogate: n-Nonane	64.0		50.0		128	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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 (2527115-BLK1)

Prepared: 07/03/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.9		50.0		93.8	61-141			

LCS (2527115-BS1)

Prepared: 07/03/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	253	25.0	250		101	66-144			
Surrogate: <i>n</i> -Nonane	46.6		50.0		93.3	61-141			

Matrix Spike (2527115-MS1)

Source: E507005-01

Prepared: 07/03/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: <i>n</i> -Nonane	48.7		50.0		97.5	61-141			

Matrix Spike Dup (2527115-MSD1)

Source: E507005-01

Prepared: 07/03/25 Analyzed: 07/03/25

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	4.69	20	
Surrogate: <i>n</i> -Nonane	47.4		50.0		94.8	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 4:30:40PM
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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 (2527080-BLK1)

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride	ND	20.0							
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LCS (2527080-BS1)

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride	256	20.0	250		103	90-110			
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Matrix Spike (2527080-MS1)

Source: E506280-03

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride	7620	100	250	7600	8.54	80-120			M4
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Matrix Spike Dup (2527080-MSD1)

Source: E506280-03

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride	6400	100	250	7600	NR	80-120	17.5	20	M4
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/07/25 16:30
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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: Ray State Slot 3 TB		Address: 3122 National Parks Hwy		E506284	280030002				x	x			
Project Manager: Ashley Giovengo		City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055									
Address: 3122 National Parks Hwy		Email: agiovengo@ensolum.com		Miscellaneous:									
City, State, Zip: Carlsbad NM, 88220													
Phone: 575-988-0055													
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
12:29	6/25/2025	Soil	1	BG03-0'			1								x		2.6			
12:30	6/25/2025	Soil	1	BG03-1'			2								x		2.4			
12:32	6/25/2025	Soil	1	BG03-2'			3								x		3.0			
12:33	6/25/2025	Soil	1	BG03-3'			4								x		2.1			
12:35	6/25/2025	Soil	1	BG03-4'			5								x		2.4			
12:43	6/25/2025	Soil	1	BG03-5'			6								x		3.0			
12:50	6/25/2025	Soil	1	BG03-6'			7								x		2.8			
12:52	6/25/2025	Soil	1	BG03-7'			8								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: Gus Sanchez

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
<i>[Signature]</i>	6-27-25	7:18	<i>Michelle Gonzales</i>	6-27-25	0718	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-27-25	1645	<i>[Signature]</i>	6-27-25	1730	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	6-27-25	2400	<i>Carth Ma</i>	6-28-25	930	
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: 6/30/2025 9:27:29AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 06/28/25 09:30 Work Order ID: E506284
Phone: (972) 371-5200 Date Logged In: 06/27/25 15:26 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 07/07/25 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

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.

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

Empty box for Client Instruction

Comments/Resolution

Large empty box for Comments/Resolution

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: Ray State Slot 3 TB

Work Order: E506283

Job Number: 23003-0002

Received: 6/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/7/25

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/7/25



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

Project Name: Ray State Slot 3 TB
Workorder: E506283
Date Received: 6/28/2025 9:30:58AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/28/2025 9:30:58AM, under the Project Name: Ray State Slot 3 TB.

The analytical test results summarized in this report with the Project Name: Ray State Slot 3 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,

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/07/25 11:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG04-0'	E506283-01A	Soil	06/26/25	06/28/25	Glass Jar, 2 oz.
BG04-1'	E506283-02A	Soil	06/26/25	06/28/25	Glass Jar, 2 oz.
BG04-2'	E506283-03A	Soil	06/26/25	06/28/25	Glass Jar, 2 oz.
BG04-3'	E506283-04A	Soil	06/26/25	06/28/25	Glass Jar, 2 oz.
BG04-4'	E506283-05A	Soil	06/26/25	06/28/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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BG04-0'
E506283-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.3 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.4 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		118 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	37.1	20.0	1	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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BG04-1'
E506283-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2526172
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2526172
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2527060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2527080
Chloride	1560	100	5	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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BG04-2'
E506283-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.3 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		114 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	1870	40.0	2	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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BG04-3'
E506283-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.5 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	909	100	5	07/02/25	07/03/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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BG04-4'
E506283-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Benzene	ND	0.0250	1	06/28/25	07/02/25	
Ethylbenzene	ND	0.0250	1	06/28/25	07/02/25	
Toluene	ND	0.0250	1	06/28/25	07/02/25	
o-Xylene	ND	0.0250	1	06/28/25	07/02/25	
p,m-Xylene	ND	0.0500	1	06/28/25	07/02/25	
Total Xylenes	ND	0.0250	1	06/28/25	07/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.4 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2526172
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/28/25	07/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	06/28/25	07/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2527060
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/02/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	07/02/25	07/02/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2527080
Chloride	ND	20.0	1	07/02/25	07/03/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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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 (2526172-BLK1)

Prepared: 06/28/25 Analyzed: 07/01/25

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 (2526172-BS1)

Prepared: 06/28/25 Analyzed: 07/02/25

Benzene	4.64	0.0250	5.00		92.8	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.64	0.0250	5.00		92.9	70-130			
o-Xylene	4.66	0.0250	5.00		93.1	70-130			
p,m-Xylene	9.43	0.0500	10.0		94.3	70-130			
Total Xylenes	14.1	0.0250	15.0		93.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

Matrix Spike (2526172-MS1)

Source: E506280-02

Prepared: 06/28/25 Analyzed: 07/01/25

Benzene	4.46	0.0250	5.00	ND	89.2	70-130			
Ethylbenzene	4.44	0.0250	5.00	ND	88.8	70-130			
Toluene	4.45	0.0250	5.00	ND	89.1	70-130			
o-Xylene	4.42	0.0250	5.00	ND	88.3	70-130			
p,m-Xylene	9.03	0.0500	10.0	ND	90.3	70-130			
Total Xylenes	13.4	0.0250	15.0	ND	89.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

Matrix Spike Dup (2526172-MSD1)

Source: E506280-02

Prepared: 06/28/25 Analyzed: 07/02/25

Benzene	5.16	0.0250	5.00	ND	103	70-130	14.5	27	
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130	14.5	26	
Toluene	5.15	0.0250	5.00	ND	103	70-130	14.6	20	
o-Xylene	5.11	0.0250	5.00	ND	102	70-130	14.6	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	14.5	23	
Total Xylenes	15.5	0.0250	15.0	ND	104	70-130	14.5	26	
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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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 (2526172-BLK1)

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.4	70-130			

LCS (2526172-BS2)

Prepared: 06/28/25 Analyzed: 07/02/25

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.50		8.00		106	70-130			

Matrix Spike (2526172-MS2)

Source: E506280-02

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2526172-MSD2)

Source: E506280-02

Prepared: 06/28/25 Analyzed: 07/01/25

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	10.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.14		8.00		102	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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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 (2527060-BLK1)

Prepared: 07/02/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.1		50.0		106	61-141			

LCS (2527060-BS1)

Prepared: 07/02/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	281	25.0	250		113	66-144			
Surrogate: n-Nonane	54.9		50.0		110	61-141			

Matrix Spike (2527060-MS1)

Source: E506283-04

Prepared: 07/02/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	57.1		50.0		114	61-141			

Matrix Spike Dup (2527060-MSD1)

Source: E506283-04

Prepared: 07/02/25 Analyzed: 07/02/25

Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	56-156	4.50	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: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/7/2025 11:51:16AM
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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 (2527080-BLK1)

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride ND 20.0

LCS (2527080-BS1)

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride 256 20.0 250 103 90-110

Matrix Spike (2527080-MS1)

Source: E506280-03

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride 7620 100 250 7600 8.54 80-120 M4

Matrix Spike Dup (2527080-MSD1)

Source: E506280-03

Prepared: 07/02/25 Analyzed: 07/03/25

Chloride 6400 100 250 7600 NR 80-120 17.5 20 M4

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Ray State Slot 3 TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/07/25 11:51
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Released to Imaging: 5/18/2026 11:36:48 AM

Received by OCD: 5/11/2026 1:56:36 PM

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company Project Name: Ray State Slot 3 TB Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com	Company: Ensolum LLC Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous:	Lab WO# E606283 Job Number 2308-002	1D 2D 3D Std X	NM CO UT TX X

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	TCOQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
9:32	6/26/2025	Soil	1	BG04-0'			1								X		2.4			
9:34	6/26/2025	Soil	1	BG04-1'			2								X		2.0			
9:36	6/26/2025	Soil	1	BG04-2'			3								X		1.8			
9:40	6/26/2025	Soil	1	BG04-3'			4								X		2.1			
10:20	6/26/2025	Soil	1	BG04-4'			5								X		1.6			

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: Gus Sanchez

Relinquished by: (Signature) <i>[Signature]</i>	Date 6-27-25	Time 7:18	Received by: (Signature) <i>Michelle Gonzales</i>	Date 6-27-25	Time 0718	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"/> N
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 6-27-25	Time 1645	Received by: (Signature) <i>[Signature]</i>	Date 6-27-25	Time 1730	
Relinquished by: (Signature) <i>[Signature]</i>	Date 6-27-25	Time 2400	Received by: (Signature) <i>Carl Mar</i>	Date 6-28-25	Time 0930	
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: 6/30/2025 9:22:11AM

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: 06/28/25 09:30	Work Order ID: E506283
Phone: (972) 371-5200	Date Logged In: 06/27/25 15:23	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 07/07/25 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

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.

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

Comments/Resolution

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

Date



envirotech Inc.



APPENDIX E

NMOCD Correspondence

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Subject: RE: [EXTERNAL] Proposed Background Chloride Sample Locations for the Ray State Slot 3 Incident Number nAPP2513253339
Date: Tuesday, June 10, 2025 10:07:05 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL **]

You're welcome Chad!

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Tuesday, June 10, 2025 10:06 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Proposed Background Chloride Sample Locations for the Ray State Slot 3 Incident Number nAPP2513253339

Thank you!

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, June 10, 2025 9:46:12 AM
To: Chad Hamilton <chamilton@ensolum.com>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Proposed Background Chloride Sample Locations for the Ray State Slot 3 Incident Number nAPP2513253339

[**EXTERNAL EMAIL **]

Good morning Chad,

Sorry for the delay in getting back to you but I did get to touch base with Mike Bratcher today on the proposed sample locations and we are in agreement that those locations

are acceptable for obtaining background chloride data for the release at Ray State Slot 3 Incident Number nAPP2513253339.

Kind regards,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Thursday, June 5, 2025 2:43 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>
Subject: [EXTERNAL] Proposed Background Chloride Sample Locations for the Ray State Slot 3 Incident Number nAPP2513253339

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

Good afternoon, Shelly,

Matador Production Company (Matador) is requesting approval for potential *background chloride sample locations* at the Ray State Slot 3 TB (Site) (Incident Number nAPP2513253339). On May 11, 2025, corrosion of a 90° pipe connection resulted in the release of approximately 8 barrels (bbls) of produced water on pad; 2 bbls were recovered from the release area. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on May 12, 2025, via web portal. The release remained on-pad and did not impact the adjacent pasture.

Ensolum has attempted vertical delineation of the Site and has been unable to reach the strictest Closure Criteria per NMOCD Table I. Due to the Site's proximity to the Pecos River, the Ray State Slot 4, and the General Kehoe #228H, see attached figures. As these areas have confirmed background chloride concentrations, sampling to confirm background chloride concentrations for the Site is warranted. Four background sample locations have been

marked in well vegetated areas according to satellite imagery (See Proposed Background Locations Map) that do not appear to have been disturbed by oil and gas activities. Please review these background sampling locations to confirm they are in areas with acceptable vegetation growth and non-disturbed features that the NMOCD would accept laboratory analytical results for use in developing naturally occurring chloride concentrations for this area and specifically for this Site.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Ashley Giovengo](#); [Jason Touchet](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339
Date: Monday, August 11, 2025 7:41:13 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good morning Chad,

The extension request for NAPP2513253339 RAY STATE SLOT 3 TB is approved. The new due date to submit your remediation plan or closure report to the OCD is November 10, 2025. Please include a copy of this and all notifications in the remedial and/or closure report to ensure the notifications are documented in the project file.

Kind regards,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, August 11, 2025 7:30 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@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] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339

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Hello all,

Matador Production Company (Matador) is requesting an extension of the current deadline of August 11, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Ray State Slot 3 TB (Site) (Incident Number nAPP2513253339). The release occurred on May 11, 2025, and 8 barrels (bbls) of produced water were released; 2 bbls of produced water were recovered. The release impacted an area on-pad approximately 2,000 square feet in size on Private Land. Lateral delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria has been completed at the Site; vertical delineation soil sampling is currently on-going. Excavation of the subject matter release will begin as soon as Matador selects a subcontractor to complete excavation activities. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until November 7, 2025. Please let me know if you have any further questions regarding this site.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Background Chloride Variance - Ray State Slot 3 TB - nAPP2513253339
Date: Friday, September 19, 2025 10:52:41 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good morning Chad,

The proposed background chloride variance is rejected. On 6/5/2025, the OCD received an email requesting confirmation that the 4 proposed background chloride locations be approved. After review, Mike Bratcher and Shelly Wells approved of their locations. During this time, Ensolum was told that the samples collected at each depth could be averaged to determine a background chloride concentration for each depth and that if TPH was found in any of the boreholes that that borehole could not be used.

The data collected at all 4 previously approved background sample locations may be averaged for each depth interval to derive a background chloride concentration. The following background chloride concentrations may be used:

	BG01	BG02	BG03	BG04	Average
Surface	<20	1160	9990	37.1	2801.775
1'	<20	4110	2550	1560	2060
2'	20.7	1910	1610	1870	1352.675
3'	56.6	1110	1260	909	833.9
4'	113	1600	1090	<20	705.75

Should remediation need to occur below 4' depth, Table I DTGW < 50 feet RRALs should be used as this site is in medium karst. For the sidewalls, they can be delineated to the value above that correlates to their depth. If a sidewall is from 0-2 feet for instance, the 2' average would be used as the background chloride value.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
 Environmental Bureau
 EMNRD-Oil Conservation Division
 1220 S. St. Francis Drive|Santa Fe, NM 87505

(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, September 15, 2025 1:34 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Background Chloride Variance - Ray State Slot 3 TB - nAPP2513253339


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Ms. Wells,

Please see the attached Proposed Background Chloride Variance Request. Please let me know if you have any questions.

Thanks,



Chad Hamilton
Project Geologist
940-923-0072
Ensolum, LLC
in f 

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339
Date: Monday, November 10, 2025 11:08:07 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good morning Chad,

An extension request was approved for this release on 8/11/25 due to the same reasons given below. Another extension is not approved at this time. Submit a remediation plan or remediation closure request to OCD Permitting as soon as possible. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

Sincerely,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, November 10, 2025 9:40 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrn.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrn.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339

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clicking on links or opening attachments.

Ms. Wells,

Matador Production Company (Matador) is requesting an extension of the current deadline of November 10, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Ray State Slot 3 TB (Site) (Incident Number nAPP2513253339). The release occurred on May 11, 2025, and 8 barrels (bbls) of produced water were released; 2 bbls of produced water were recovered. The release impacted an area on-pad approximately 2,000 square feet in size on Private Land. Lateral delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria has been completed at the Site; vertical delineation soil sampling is currently on-going. Matador is currently completing background chloride sampling activities at the Site. Excavation of the subject matter release will begin as soon as Matador selects a subcontractor to complete excavation activities. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until February 9, 2026. Please let me know if you have any further questions regarding this site.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Ashley Giovengo](#); [Jason Touchet](#); [Casey Snow](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339
Date: Thursday, November 20, 2025 1:41:41 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good afternoon Chad,

The extension request is denied for the same reason it was on 11/10/25. The soon to be submitted chloride variance request can be submitted within a remediation plan through the OCD Permitting website which will get this incident back in compliance. Please include a copy of this and all notifications in the report to ensure the notifications are documented in the project file.

Sincerely,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Wednesday, November 19, 2025 3:48 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrn.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrn.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrn.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>; Casey Snow <csnow@matadorresources.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339

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

Ms. Wells,

Due to today's meeting, Matador Production Company (Matador) is requesting an extension for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Ray State Slot 3 TB (Site) (Incident Number nAPP2513253339). The release occurred on May 11, 2025, and 8 barrels (bbls) of produced water were released; 2 bbls of produced water were recovered. The Site was mapped on May 12, 2025, utilizing a handheld Global Positioning System (GPS) unit. The release impacted an area on-pad approximately 2,000 square feet in size on Private Land. Ensolum, LLC (Ensolum) personnel returned to the Site on May 19, 2025, May 20, 2025, and June 4, 2025, to conduct delineation activities. Eight lateral soil samples (SS01 through SS08) and four boreholes (BH01 through BH04) were advanced via hand auger within the release extent to assess the vertical and lateral extent of the release. Due to the difficulty of achieving vertical delineation in accordance with the strictest Closure Criteria per NMOCD Table I, background chloride delineation was determined to be necessary. Ensolum submitted four proposed background sample locations to NMOCD on June 5, 2025, which was approved on June 10, 2025. Ensolum returned to the Site on June 25, 2025, and June 26, 2025, to conducted soil sampling around the Site to assess for the presence or absence of naturally occurring chloride in undisturbed soil horizons. A total of four background samples (BG01 through BG04) were collected at depths ranging from ground surface to 7 feet bgs. A background chloride variance request was submitted to NMOCD on September 15, 2025, and was rejected on September 19, 2025. A meeting was requested on October 27, 2025, to discuss the background chloride variance denial but the attempts for a meeting were not accepted until November 14, 2025. Matador will complete a new background chloride variance request by November 21, 2025. Excavation of the subject matter release will begin upon the approval of a chloride variance. Matador will select a subcontractor to complete excavation activities. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until February 17, 2026. Please let me know if you have any further questions regarding this site.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC



From: [Chad Hamilton](#)
To: [Wells, Shelly, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Enviro, OCD, EMNRD](#)
Cc: [Casey Snow](#); [Jason Touchet](#); [Ashley Giovengo](#)
Subject: Background Chloride Variance Request - Matador Production Company - Ray State Slot 3 TB - nAPP2513253339
Date: Friday, November 21, 2025 10:29:00 AM
Attachments: [20250912_Ray_State_Slot_3_TB_Fig1_V1_LN.pdf](#)
[image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[20250912_Ray_State_Slot_3_TB_Fig2_V1_LN.pdf](#)
[20250915_Ray_State_Slot_3_TB_Fig3_V2_LN.pdf](#)
[20251121_RayStateSlot3TB_fig4_v1_JV.pdf](#)
[Tables 1 and 2.pdf](#)

Matador Production Company (Matador) is requesting a background chloride variance at the Ray State Slot 3 TB (Site) (Incident Number nAPP2513253339). On May 11, 2025, an equipment failure resulted in the release of approximately 8 bbls of produced water onto the pad surface; 2 of produced water were recovered, 6 bbls of produced water were unrecoverable. Matador reported the release to the NMOCD via the NMOCD portal on January 3, 2025, and submitted a Release Notification Form C-141 (Form C-141) on May 12, 2025. The release occurred on a pad and did not impact any off-pad areas.

A desktop review for potential site receptors has been completed for this Site and according to the New Mexico Office of the State Engineer (NMOSE), the closest depth to groundwater measurement is NMOSE well C-04901 POD1 with a depth to groundwater measurement of 52 feet below ground surface (bgs); the well is 0.73 miles west of the Site and the date of the last recorded measurement was on February 20, 2024. 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. The closest significant watercourse is the Pecos River located approximately 1,626 feet southeast of the Site. The Site is potentially underlain by unstable geology (medium potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Figure 1 depicts sensitive receptors applicable to the Site. Based on the results of the desktop review and a readjustment of the approved chloride variance request, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 100 mg/kg GRO/DRO/ORO and 600 mg/kg chloride.

On May 19, 2025, May 20, 2025, and June 4, 2025, Ensolum personnel were onsite to delineate the lateral and vertical extent of the release as indicated by field observations and information provided in the C-141. Eight lateral soil samples (SS01 through SS08) were collected at ground surface and 1-foot bgs. Four boreholes (BH01 through BH4) were advanced via hand auger within the release extent to assess the vertical extent of the release (see Figure 2). Boreholes BH01 through BH04 were advanced to depths ranging from 3 feet bgs to 8 feet bgs.

On June 25, 2025, and June 26, 2025, Ensolum personnel advanced four boreholes (BG01 through BG04, Figure 2) in areas that had not been previously disturbed by oil and gas operations previously selected by NMOCD personnel during our correspondence on June 10, 2025, at depths ranging from ground surface to 7 feet bgs at the Site (see Figure 3). Laboratory

analytical results indicated the presence of naturally occurring chloride concentrations in soil exceeding 600 parts per million (ppm) (also measured as mg/kg) in three of the four undisturbed areas, with a maximum chloride concentration of 9,990 mg/kg detected at BG03. When detected, the elevated concentrations occurred starting at ground surface. (See Table 2). Naturally occurring chloride concentrations ranging from <20.0 mg/kg to 9,990 mg/kg off pad has been documented.

On November 19, 2025, Ensolum personnel along with Matador and NMOCD met to discuss background chloride concentrations at the Site.

Vertical delineation results from delineation boreholes BH01 through BH04 indicate gross impacts from the release from ground surface (36,500 mg/kg) to 2 feet bgs (6,470 mg/kg) in BH04. The drop in chloride concentration from ground surface (11,900 mg/kg) to 1-foot bgs (74.2 mg/kg) in BH01 and (12,300 mg/kg) at ground surface to 1-foot bgs (485 mg/kg) in BH02 show a demarcation of impacts in the non-chloride bearing, imported caliche material. The drop in chloride concentration from ground surface 2 feet bgs (7,940 mg/kg) to 4 feet bgs (714 mg/kg) indicate naturally occurring chlorides are present were not present in the imported caliche since concentrations directly beneath the caliche increase in chloride concentrations. Gross impacts from the release are present from ground surface to 2 feet bgs (6,470 mg/kg) in BH04. Obvious gross soil impacts from the produced water spill are generally confined to the top 2 feet of soil beneath the release footprint, and still with the upper portion of the imported caliche. Contributing to impacted soil and present beneath the release is a documented soil structure naturally high in chloride.

Based on assessments of naturally occurring chloride concentrations beneath and adjacent to the Site, Ensolum, on behalf of Matador, is proposing an adjusted Closure Criteria and sampling variance be considered for remediation of the Site, which includes the following:

- Vertical delineation has been met, established with strictest Closure Criteria being met within the imported caliche material. In boreholes that did not meet the strictest Closure Criteria (boreholes BH03 and BH04) vertical delineation was met due to chlorides falling within the natural chloride range of <20.0 mg/kg to 9,990 mg/kg.
- The original release extent detected unnaturally high chloride concentrations (>9,990 mg/kg) and associated TPH impacts. Based on Table 2, impacted soil containing chloride range in concentrations from 11,900 mg/kg to 36,500 mg/kg. Excavation of TPH and chloride impacted soil will be completed with the removal of TPH impacts to 100 mg/kg and 7,940 mg/kg for chlorides based on the demarcation lines in Table 2. In general, excavation of impacted soil is anticipated to range from 1-foot to 2 feet bgs based on field and laboratory analytical data.
- Sidewall confirmation samples will be collected on a frequency of one composite sample for every 200 square feet of sidewall and will be compared to the sample lateral extent concentration of 600 mg/kg for chloride and 100 mg/kg for TPH in areas where the

depth of the excavation remains within the imported pad material. If sidewall location depths extend to natural material will meet a lateral extent concentration of 4,110. This concentration is within the range of naturally occurring chlorides and does not consider the outlier of 9,990 mg/kg. Sidewall confirmation samples will also be used to define the lateral extent of the release area in lieu of surface lateral delineation.

- Based on the analytical results the proposed excavation extent measures 3,822 sq ft in size and an estimate 340 cubic yards (cu yds), with 35% fluff added to the final yardage, will be removed from the Site (see Figure 4).

Matador is requesting this *background chloride and sampling variance* in order to remediate/excavate soil in the release area that exceed naturally occurring chloride concentrations. 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 regional geology with documented elevated chloride levels at or near the Site, remediation of soil to the strictest Closure Criteria of soil would require excessive excavation on pad and potentially beyond. This region has adapted to the elevated chloride concentrations in the soil and excessive excavation of native soil may alter the currently stable environment. Removal of gross impacts with chloride concentrations exceeding 6,470 mg/kg will support the current environment the site is within and will be equal or more protective of human health, the environment, and groundwater. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2513253339). **Matador intends to submit a remediation work plan to NMOCD by December 1, 2025.**

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Chad Hamilton](#)
To: [Wells, Shelly, EMNRD](#)
Cc: [Ashley Giovengo](#); [Jason Touchet](#)
Subject: RE: [EXTERNAL] RE: nAPP2513253339 RAY STATE SLOT 3 TB
Date: Tuesday, December 23, 2025 12:27:59 PM

Shelly,

My apologies for that, it seems that page 4 is a typo. While adding the total area an 8 was left off for Area 3 and the areas added were $1,565+2,169+88=3,822$ instead of $1,565+2,169+888$. Please let me know if you have any more questions.

Thanks,

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, December 23, 2025 11:05 AM
To: Chad Hamilton <chamilton@ensolum.com>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>
Subject: RE: [EXTERNAL] RE: nAPP2513253339 RAY STATE SLOT 3 TB

[**EXTERNAL EMAIL**]

Good morning Chad,

I have another question regarding the submitted remediation plan for Ray State Slot 3 TB. On pg. 4 of the report it says, "Based on laboratory analytical results, the proposed excavation extent measures 3,822 square feet in size." However, referring to Figure 4, the three excavation areas add up to 4,622 ft². Why do these not add up to the proposed excavation extent?

Sincerely,

Shelly

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

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, December 22, 2025 10:07 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>
Subject: [EXTERNAL] RE: nAPP2513253339 RAY STATE SLOT 3 TB

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

Good morning, Shelly,

Regarding the depth to water boring C-4909 POD1. The well number change was due to a typo when completing the WR-20 prior to submission to the New Mexico State Land Office (NMOSE). Unfortunately, this correction was made by the driller after it was requested by NMOSE and was not caught by Ensolum when drafting the RWP, the correct well number is according to NMOSE is C-4909 POD1. While completing the soil boring to determine depth to ground water for C-4909 POD1 no water was encountered until 52 feet below ground surface (bgs). A confining layer of gypsum was encountered at 51 feet bgs and had a thickened of approximately 12 inches. Directly beneath this layer water was encountered. This classifies C-4909 POD1 as an Artesian well as it has a confining layer. However, after allowing 72-hours for the water in the well to equilibrate, the static water level was measured at 16 feet bgs. Due to a general soil boring plan being submitted for C-4909 POD1 NMOSE personnel requested the driller change the classification to shallow (unconfined). This was a clerical error due to a separate plan for an Artesian well not being submitted once the conditions of an Artesian well being encountered. This well, however, is not a shallow unconfined as no water was encountered prior to the overlying gypsum layer at 51 feet bgs being encountered and water being encountered below that confining layer.

Kind regards,

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, December 19, 2025 3:22 PM
To: Chad Hamilton <chamilton@ensolum.com>
Subject: nAPP2513253339 RAY STATE SLOT 3 TB

[**EXTERNAL EMAIL**]

Hi Chad,

I am reviewing the remediation plan that was submitted for the nAPP2513253339 RAY STATE SLOT 3 TB and have a question for you regarding the attached boring log submitted for C-4901 POD1. Referring to the OSE Points of Diversion layer on the OCD Oil and Gas Map, this same boring log is attached to C-4909 POD1. When you go to the attached files C-4901 was crossed out and in pen was written 4909 and a check mark was made notating that it is a shallow (unconfined) aquifer. Based on the boring log, depth to groundwater is 16 feet, not 52 feet as it states in the remediation plan. Can you explain what happened with this POD—the crossouts on the paperwork, etc? I look forward to hearing back from you when you have the opportunity.

Kind regards,

Shelly

Shelly Wells * Senior Environmental Scientist
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QUESTIONS

Action 583907

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 583907
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2513253339
Incident Name	NAPP2513253339 RAY STATE SLOT 3 TB @ FAPP2202574461
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2202574461] Ray State Slot 3 Facility Tank Battery

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	RAY STATE SLOT 3 TB
Date Release Discovered	05/11/2025
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 8 BBL Recovered: 2 BBL Lost: 6 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 583907

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 583907
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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	<i>Not answered.</i>

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: 05/11/2026
--	--

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QUESTIONS, Page 3

Action 583907

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 583907
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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)	36500
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2307
GRO+DRO (EPA SW-846 Method 8015M)	1850
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	03/19/2026
On what date will (or did) the final sampling or liner inspection occur	03/25/2026
On what date will (or was) the remediation complete(d)	03/25/2026
What is the estimated surface area (in square feet) that will be reclaimed	4600
What is the estimated volume (in cubic yards) that will be reclaimed	196
What is the estimated surface area (in square feet) that will be remediated	4600
What is the estimated volume (in cubic yards) that will be remediated	196

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.
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.

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QUESTIONS, Page 4

Action 583907

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 583907
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff Landfill.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 05/11/2026
--	--

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.

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QUESTIONS, Page 5

Action 583907

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 583907
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	No

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QUESTIONS, Page 6

Action 583907

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 583907
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	565576
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/27/2026
What was the (estimated) number of samples that were to be gathered	28
What was the sampling surface area in square feet	4622

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4600
What was the total volume (cubic yards) remediated	196
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	4600
What was the total volume (in cubic yards) reclaimed	196

Summarize any additional remediation activities not included by answers (above)	"Elevated chloride concentrations exceeding the approved chloride variance in boreholes BH03 and BH04 are laterally defined by boreholes BH03A through BH03C and BH04A through BH04D, respectively. The remaining exceedances are confined to areas directly adjacent to boreholes BH03 and BH04, are within the natural chloride range found in background delineation boreholes BG01 through BG04. Boreholes BH03 and BH04 were collected as discrete soil samples and are not representative of the chloride concentrations of the areas they were collected from. Based on the remedial actions completed to date and the presence of naturally occurring chlorides, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2422623967. "
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The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 05/11/2026
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QUESTIONS, Page 7

Action 583907

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 583907
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 583907

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 583907
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved though OCD notes that the depths of excavation that were proposed in the 12/23/25 approved remediation plan were not adhered to.	5/18/2026