



February 3, 2025

**New Mexico Oil Conservation Division**

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

**Re: Reclamation Report  
Dagger Lake South Slot 1 ROW to Slot 2  
Incident Number nAPP2411327945  
Lea County, New Mexico**

To Whom It May Concern:

Ensolum LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared the following *Reclamation Report* for the Dagger Lake South Slot 1 ROW to Slot 2 (Site). The *Reclamation Report* documents the Site history and reclamation activities completed to date.

**BACKGROUND**

The Site is located in Unit N Section 08, Township 22 South, Range 33 East, in Lea County, New Mexico (32.400222°, -103.5985181°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On April 21, 2024, a leaking valve on a produced water transfer line resulted in the release of approximately 2,631 barrels (bbls) of produced water into an off-pad pasture area. A vacuum truck was dispatched to the Site to remove free-standing fluids; a total of 150 bbls of produced water were recovered following the isolation and repair of the transfer line. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on April 22, 2024. The release was assigned Incident Number nAPP2411327945.

Delineation and excavation of impacted soil was completed at the Site in July 2024. Based on the delineation and excavation soil sample analytical results, a *Closure Request* was submitted to the NMOCD on November 7, 2024. The NMOCD approved the *Closure Request* on November 13, 2024. Additional details regarding the release, Site Characterization, delineation and excavation activities, and soil sample analytical results can be referenced in the approved *Closure Request* attached as Appendix A. Remediation of the release was completed in accordance with Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC).

**RECLAMATION ACTIVITIES**

The excavation area measured approximately 26,152 square feet. A total of approximately 5,300 cubic yards of impacted soil were removed during the excavation activities. Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled, and the area was graded and contoured to match the surrounding topography. The excavation area was backfilled

Matador Production Company  
Reclamation Report  
Dagger Lake South Slot 1 ROW to Slot 2

with locally procured topsoil and caliche, consistent with the surrounding native soil type. The excavation extent and reclamation area are depicted on the attached Figure 1. Photographic documentation is included in Appendix B.

One representative 5-point composite sample (BF01) was collected from the caliche backfill material. One representative 5-point composite sample (BF02) was collected from the topsoil backfill material. The backfill soil samples were transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following constituents of concern (COCs): benzene, toluene, ethylbenzene, and total xylenes (BTEX) following United States Environmental Protection Agency (EPA) Method 8021B; total petroleum hydrocarbons (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 for the backfill soil samples confirmed compliance with NMOCD requirements for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 milligrams per kilogram (mg/kg) and TPH concentrations less than 100 mg/kg. The laboratory analytical results are summarized in the attached Table 1 and the complete laboratory analytical report is included as Appendix C.

The disturbed pasture area was seeded on November 11, 2024, with the James H & Betty Howell Trust Mix.

| Species/Cultivar                                                    | PLS/Acre |
|---------------------------------------------------------------------|----------|
| Bristlegrass Plains ( <i>Setaria vuliseta</i> )                     | 4.75     |
| Buffalograss, "Texoka" Primed KNO3 ( <i>Bouteloua dactyloides</i> ) | 3.69     |
| Foxtail Millet "White Wonder" ( <i>Setaria italica</i> )            | 3.57     |
| Gamma, Blue ( <i>Bouteloua gracilis</i> )                           | 4.70     |
| Grama, Sideoats "El Reno" ( <i>Bouteloua curtipendula</i> )         | 8.42     |
| Green Sprangletop, "Van Horn" ( <i>Leptochloa dubia</i> )           | 5.53     |
| Kleingrass, "Selection75" ( <i>Panicum coloratum</i> )              | 2.76     |
| Ryegrass Annual, "Gulf" ( <i>Lolium multiflorum</i> )               | 14.31    |
| Wheatgrass, Western ( <i>Pascopyrum smithii</i> )                   | 3.65     |

The seed mix was doubled and distributed with a broadcast seed spreader and harrowed in. Photographs of the backfilled excavation and seeding of the reclaimed area are provided in Appendix B.

## VEGETATION MONITORING

The Site will be monitored for vegetation growth to verify reclamation activities were successful. The focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the NMSLO-based seed mix will be applied.

Matador Production Company  
Reclamation Report  
Dagger Lake South Slot 1 ROW to Slot 2

- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicators or mechanically/physically removed.

A *Re-vegetation Report* will be submitted to the NMOCD once vegetation growth in the reclaimed pasture area has a uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

## RECLAMATION APPROVAL REQUEST

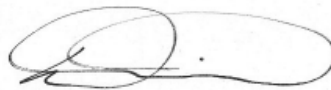
Based on the reclamation activities completed to date and proposed vegetation monitoring plan described above, Matador respectfully requests approval of this *Reclamation Report* and a status update to *Reclamation Report Approved, Pending submission of Re-Vegetation Report* for Incident Number nAPP2411327945.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or [agiovengo@ensolum.com](mailto:agiovengo@ensolum.com). Sincerely,

### Ensolum, LLC



Ashley Giovengo  
Senior Scientist



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

cc: NMSLO  
Matador Production Company

### Appendices:

|            |                                                               |
|------------|---------------------------------------------------------------|
| Figure 1   | Excavation Extent / Reclamation Area                          |
| Table 1    | Backfill Soil Sample Analytical Results                       |
| Appendix A | Closure Request Report: Dated November 7, 2024                |
| Appendix B | Photographic Log                                              |
| Appendix C | Laboratory Analytical Report & Chain of Custody Documentation |



FIGURES





## Excavation Extent/Reclamation Area

Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
Incident Number: nAPP2411327945  
Unit N, Section 08, T 22S, R 33E  
Lea County, New Mexico

**FIGURE**  
**1**



TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Dagger Lake South Slot 1 ROW to Slot 2  
 Matador Production Company  
 Lea County, New Mexico

| Sample Designation                         | Date     | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|--------------------------------------------|----------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| Reclamation Requirement (NMAC 19.15.29.13) |          |                  | <b>10</b>       | <b>50</b>          | <b>NE</b>       | <b>NE</b>       | <b>NE</b>       | <b>1,000</b>    | <b>2,500</b>      | <b>20,000</b>    |
| Backfill Soil Samples                      |          |                  |                 |                    |                 |                 |                 |                 |                   |                  |
| BF01                                       | 1/6/2025 | 0                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <20.0           | <20.0             | 23.1             |
| BF02                                       | 1/6/2025 | 0                | <0.0250         | <0.0250            | <20.0           | <25.0           | <50.0           | <20.0           | <20.0             | <20.0            |

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

&lt;: 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

Closure Request Report: Dated

November 7, 2024

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November 1, 2024

**New Mexico Oil Conservation Division**

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

**Re: Closure Request  
Dagger Lake South Slot 1 ROW to Slot 2  
Incident Number: nAPP2411327945  
Lea County, New Mexico**

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document excavation and soil sampling activities performed at the Dagger Lake South Slot 1 ROW to Slot 2 (Site). The purpose of the Site assessment, excavation, and soil sampling activities was to address impacted and waste-containing soil resulting from a produced water release at the Site. Based on the excavation activities and analytical results from the soil sampling events, Matador is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAPP2411327945.

## BACKGROUND

The Site is located in Unit N, Section 08, Township 22 South, Range 33 East, in Lea County, New Mexico (32.400222°, -103.5985181°) and is associated with oil and gas exploration and production operations on New Mexico State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On April 21, 2024, a leaking valve on a produced water transfer line resulted in the release of approximately 2,631 barrels (bbls) of produced water onto an off-pad pasture area. A vacuum truck was dispatched to the Site to remove free-standing fluids; a total of 150 bbls of produced water were recovered following the isolation and repair of the transfer line. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via the NMOCD Portal on April 22, 2024, and the release was assigned Incident Number nAPP2411327945.

## 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. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 101 feet below ground surface (bgs) based on a search of the New Mexico Office of the State Engineer (NMOSE) database. Soil boring CP-01899 POD1 was completed on February 24, 2022, for the purpose of establishing depth to water within a half-mile radius of the Site, which is located approximately 0.55 miles east of the edge of the release extent. The soil boring has a reported depth to groundwater greater than 101 feet bgs and a total depth of 101 feet bgs. There are no regional or Site-specific hydrological conditions, such as surface water,

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

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 0.88 miles north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pasture area impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

## **SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES**

Beginning on April 22, 2024, Ensolum personnel were onsite to delineate the extent of the produced water release to soil as indicated by field screening and laboratory analytical results. Nine delineation soil samples (SS01 through SS09) were collected from areas surrounding the release extent to verify the lateral extent at ground surface. Ensolum personnel returned to the Site on May 13, 2024, to advance five boreholes (BH01 through BH05) via hand auger within the release extent to assess the vertical extent of the release to soil. Boreholes BH01 and BH02 were advanced to a depth of 6.5 feet bgs, borehole BH03 was advanced to a depth of 1-foot bgs, and boreholes BH04 and BH05 were advanced to a depth of 5 feet and 8.5 feet bgs, respectively, prior to hitting refusal.

On June 28, 2024, Ensolum personnel returned to the Site to complete vertical delineation sampling via backhoe. Boreholes BH01 was advanced to a depth of 14 feet bgs, BH02 was advanced to a depth of 10 feet bgs, and BH05 was advanced to a depth of 14 feet bgs. Discrete soil samples were collected from each borehole at depths ranging from ground surface to 14 feet bgs. All delineation soil samples were field screened for chloride using Hach® Chloride QuanTab® test strips. 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 chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS09) collected at ground surface were all in compliance with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results from boreholes BH01 and BH05 indicated chloride concentrations exceeded the strictest Closure Criteria per NMOCD Table I from ground surface to a terminal depth of 14 feet bgs and would require further delineation. Boreholes BH02, BH03, and BH04 were in compliance with the strictest Closure Criteria at 10 feet, 1-foot, and 5 feet bgs, respectively. Boreholes BH01 through BH04 were all in compliance with the Site Closure Criteria at ground surface; however, laboratory analytical results confirmed waste-containing soil existed in the top 4 feet of the release extent and would require removal. Concentrations of TPH exceeded the Site Closure Criteria in borehole BH05 at ground surface. Laboratory results are summarized in Table 1 and laboratory analytical reports are included in Appendix D.

## EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Prior to beginning excavation activities at the Site, an archaeological survey was completed. The survey determined the release area was negative for cultural properties, and as such, the Cultural Properties Protection Rule (CPP) has been followed (see Appendix E).

Beginning on September 25, 2024, Ensolum personnel returned to the Site to oversee the excavation of impacted and waste-containing soil from the release extent. The excavation was completed utilizing a tracked excavator, loader, hydro-vac, and belly dump trucks. To direct excavation activities, soil was field screened for TPH utilizing a PetroFLAG® soil analyzer system and for chloride utilizing Hach® chloride QuanTab® test strips.

The excavation area was advanced to a depth of 4 feet bgs. Following the removal of impacted soil, 5-point composite samples were collected from the floor and sidewalls of the excavation. A confirmation sampling variance request was emailed to NMOCD on September 23, 2024, and Approved by Shelly Wells of the NMOCD on September 23, 2024, to increase the sampling area to every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation, where applicable. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Ensolum personnel collected 78 composite floor soil samples (FS01 through FS78) from the floor of the excavation at a depth of 4 feet bgs and 44 composite sidewall soil samples (SW01 through SW44) from the sidewalls of the excavation at depths ranging from ground surface to 4 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above.

Ensolum personnel advanced boreholes BH01 and BH05 via track hoe to terminal depths of 16 feet bgs and 17 feet bgs, respectively. The final excavation extent measured approximately 26,152 square feet. A total of approximately 5,300 cubic yards of waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at the LeaLand Disposal Facility in Carlsbad, New Mexico. The excavation extent and excavation soil sample locations are presented in Figures 3A and 3B.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor samples (FS01 through FS78) collected at 4 feet bgs were all in compliance with the Site Closure Criteria and with the reclamation requirement. Laboratory analytical results for confirmation sidewall samples (SW01 through SW44) collected from ground surface to 4 feet bgs indicated all COC concentrations were compliant with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results from boreholes BH01 and BH05 indicated all COC

concentrations were in compliance with the Strictest Closure Criteria per NMOCD Table I at 16 feet and 17 feet bgs, respectively. Laboratory analytical results are summarized in Tables 1 through 3 and laboratory analytical reports are included as Appendix D.

## RECLAMATION PLAN

Portions of the release occurred off pad in the pasture and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH were applied to the top 4 feet of the off-pad area impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan addresses reclamation of the off-pad area:

- The excavation will be backfilled with locally sourced caliche and topsoil to match surrounding grade. Approximately 1-foot of topsoil will be placed on top of the caliche to support vegetative growth within the disturbed area;
- Soil in the vicinity of the release includes: Pyote, 0 to 3 percent slopes and Maljamar fine sand, 0 to 3 percent slopes according to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey completed on September 18, 2024;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the NMSLO to meet reclamation standards for this region, which will be: NMSLO Sandy Loam (SL) Mixture;
- The seed mixture will be distributed with either a push broadcaster seed spreader, tractor operated broadcast seed spreader, drill seeding, or other means;
- Application of the seed mixture will be at a coverage of 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method;
- Erosion control management is not anticipated, but if needed, will potentially include:
  - The placement of waddles in areas with a propensity for high run-off rates;
  - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
  - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Seeding is anticipated to be completed in the Spring when temperatures and precipitation is most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost. NMSLO has recognized the optimal time to seed is between July and early September, which will be adhered to for this Site;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Fall to assess the success of regrowth. If necessary, an additional application of the NMSLO-approved pure live seed mixture will be applied as well as any needed BMPs will be installed to support growth and limit erosion;
- Upon completion of revegetation, a copy of the C-103 submitted to NMOCD will also be submitted to NMSLO for final inspection and release.



Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2



## CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the April 2024 release of produced water. Laboratory analytical results for the confirmation floor soil samples and confirmation sidewall soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and with the reclamation requirement. Based on the soil sample analytical results, no further remediation was required. Reclamation will be completed as described above.

Following remediation efforts, 78 composite confirmation floor soil samples (FS01 through FS78) and 44 composite confirmation sidewall soil samples (SW01 through SW44) were collected. All samples were in compliance with Site Closure Criteria and with the reclamation requirement in the top 4 feet of soil.

Based on horizontal and vertical delineation sampling, depth to groundwater greater than 101 feet bgs, and confirmation soil sample laboratory analytical results in compliance with their respective Closure Criteria and reclamation requirement, Matador believes these remedial actions have been protective of human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Number nAPP2411327945.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or [agiovengo@ensolum.com](mailto:agiovengo@ensolum.com).

Sincerely,  
**Ensolum, LLC**

A handwritten signature in black ink, appearing to read 'Ashley Giovengo'.

Ashley Giovengo  
Senior Scientist

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  
NMSLO

### Appendices:

|            |                                                                |
|------------|----------------------------------------------------------------|
| Figure 1   | Site Receptor Map                                              |
| Figure 2   | Delineation Soil Sample Locations                              |
| Figure 3A  | Excavation Soil Sample Locations                               |
| Figure 3B  | Excavation Soil Sample Locations                               |
| Table 1    | Soil Sample Analytical Results (Delineation Soil Samples)      |
| Table 2    | Soil Sample Analytical Results (Confirmation Soil Samples)     |
| Table 3    | Soil Sample Analytical Results (Sidewall Soil Samples)         |
| Appendix A | Well Log and Record                                            |
| Appendix B | Lithologic Soil Sampling Logs                                  |
| Appendix C | Photographic Log                                               |
| Appendix D | Laboratory Analytical Reports & Chain-of-Custody Documentation |
| Appendix E | NMSLO Cultural Resources Cover Sheet                           |
| Appendix F | NMOCD Correspondence                                           |



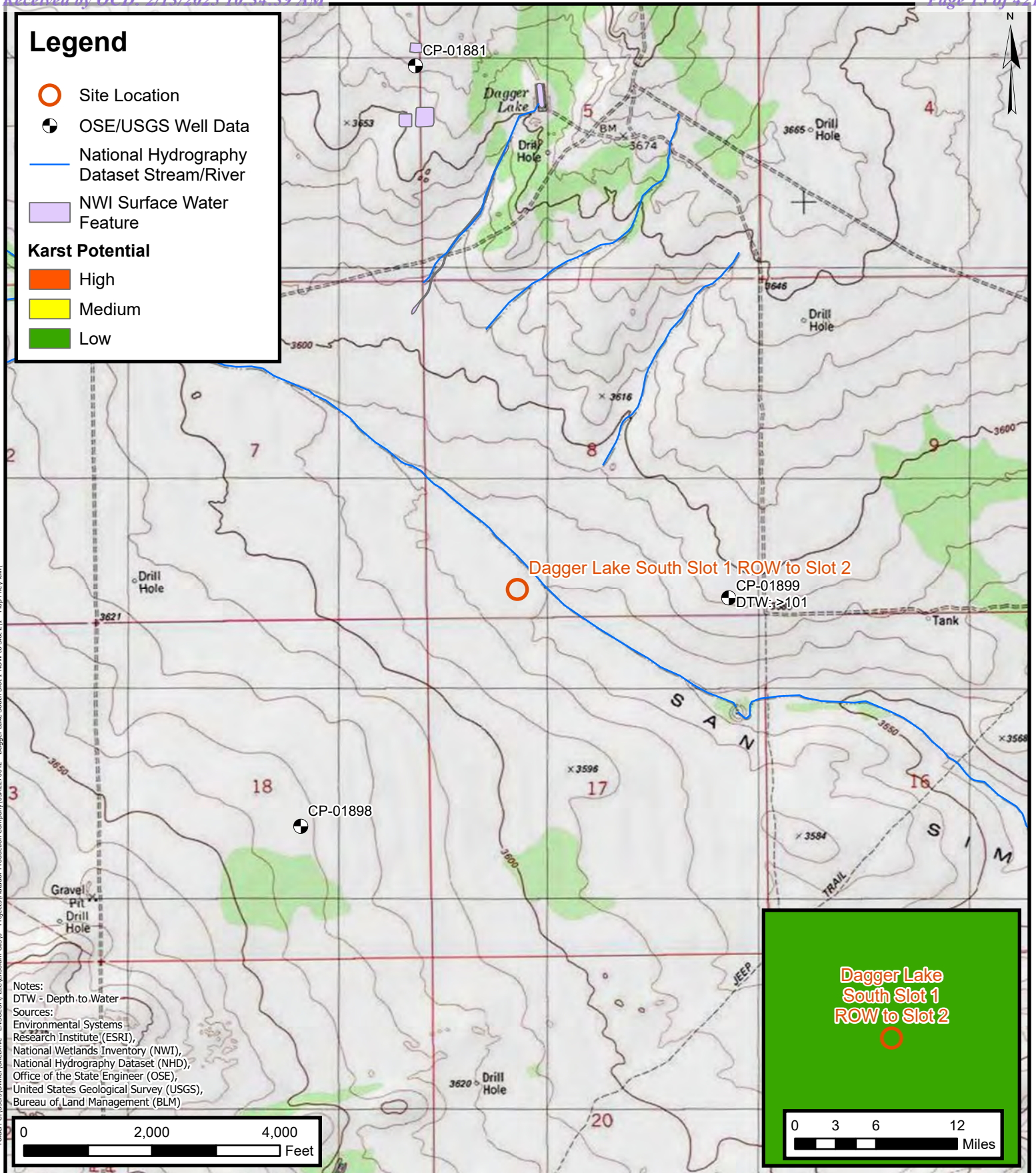
FIGURES

# Legend

- Site Location
- OSE/USGS Well Data
- National Hydrography Dataset Stream/River
- NWI Surface Water Feature

## Karst Potential

- High
- Medium
- Low



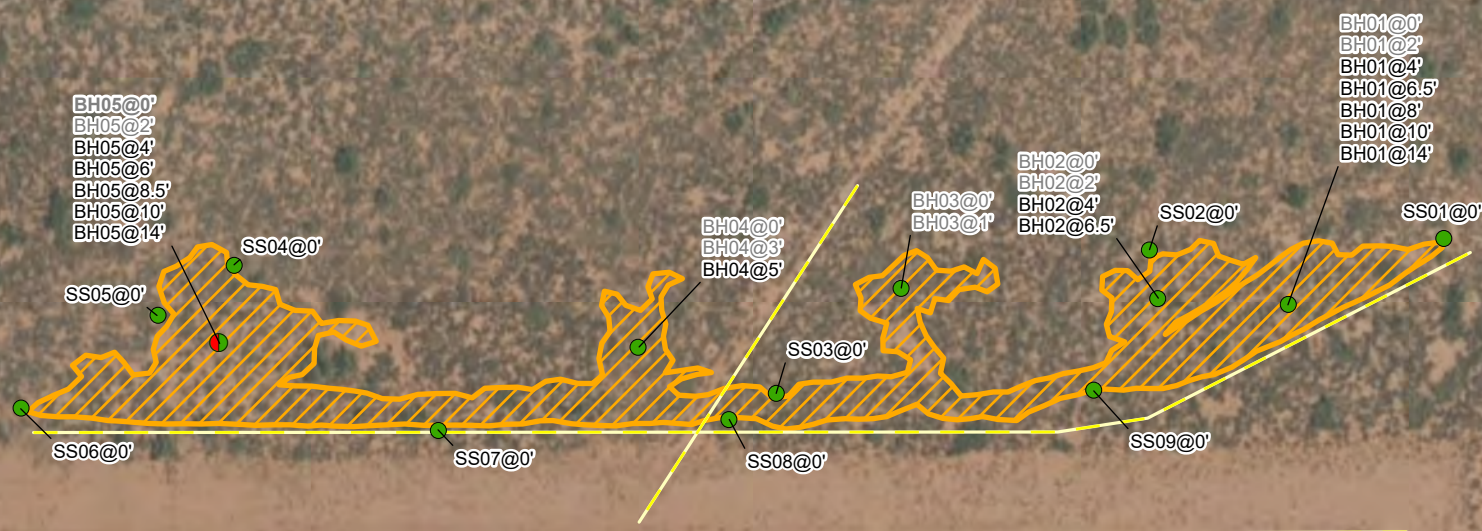
**Site Receptor Map**  
 Matador Production Company  
 Dagger Lake South Slot 1 ROW to Slot 2  
 Incident Number: nAPP2411327945  
 Unit N, Section 08, Township 22S, Range 33E  
 Lea County, New Mexico

**FIGURE**  
**1**

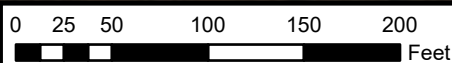


## Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil / Gas Pipeline
- Release Extent



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Samples in **bold** indicate sample exceeded applicable closure criteria.  
 Grey text indicate soil sample was removed during excavation activities.



Sources: Environmental Systems Research Institute (ESRI)

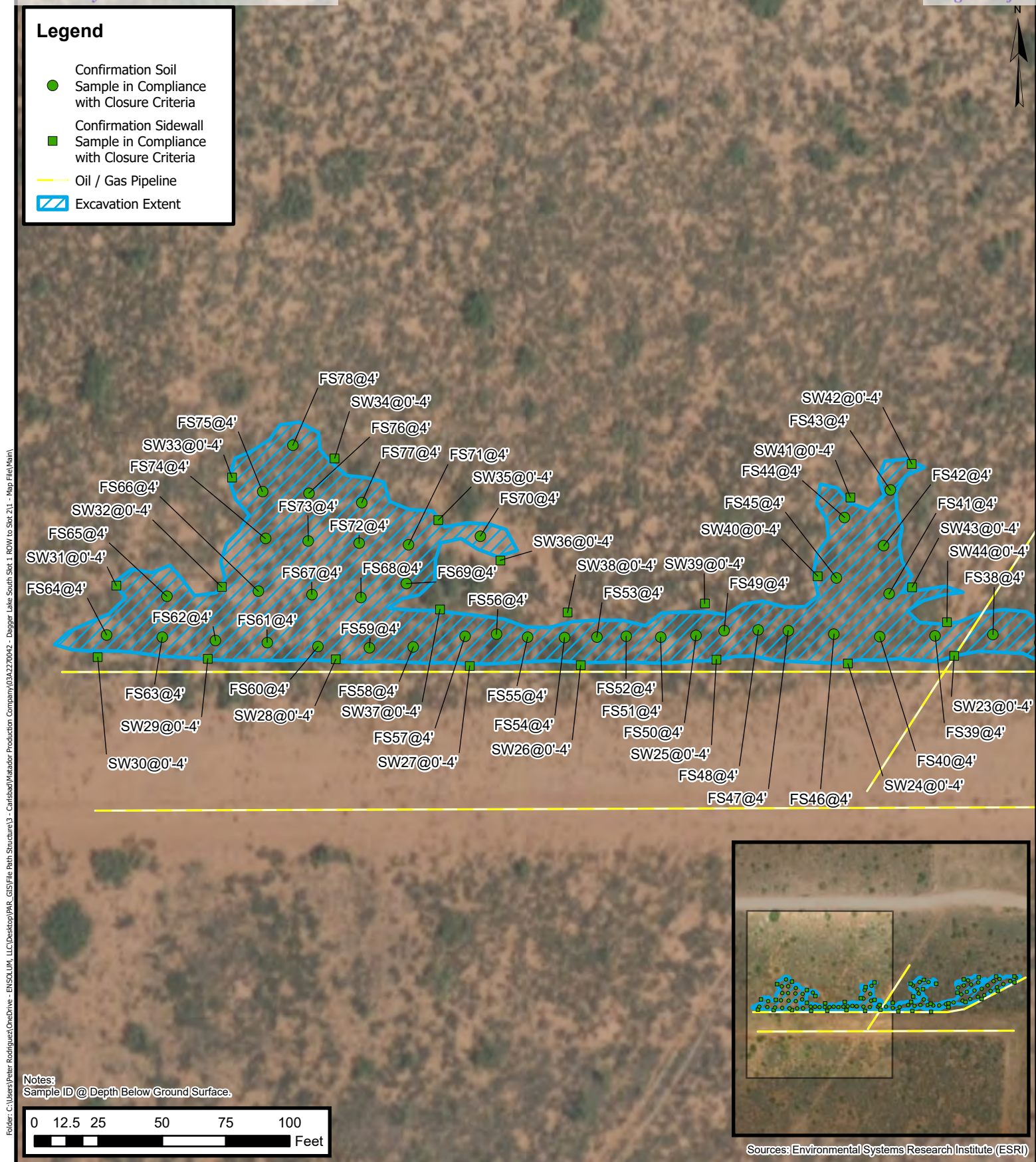


## Delineation Soil Sample Locations

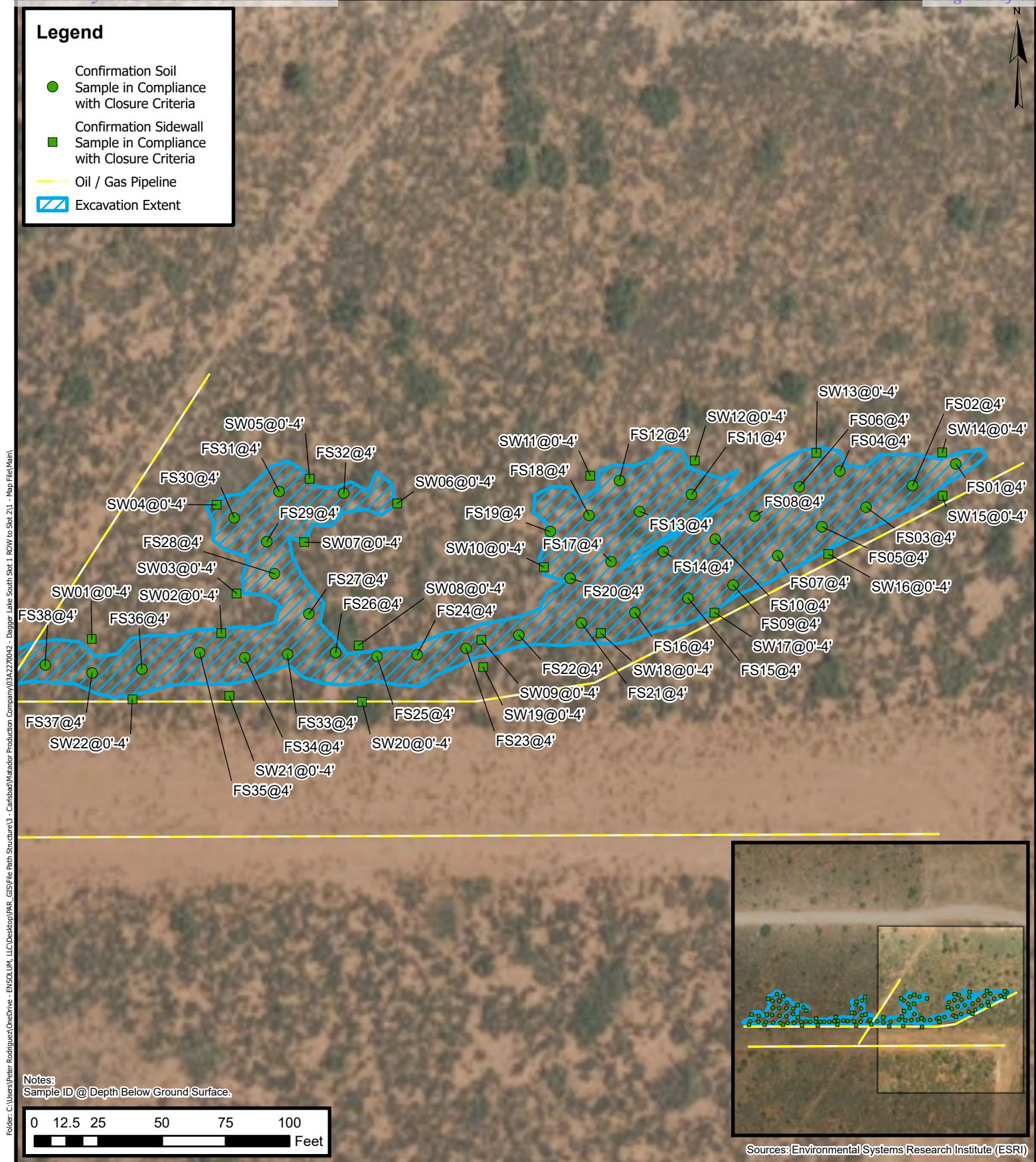
Matador Production Company  
 Dagger Lake South Slot 1 ROW to Slot 2  
 Incident Number: nAPP2411327945  
 Unit L, Section 08, Township 22S, Range 33E  
 Lea County, New Mexico

**FIGURE**  
**2**









## Confirmation Soil Sample Locations

Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
Incident Number: nAPP2411327945  
Unit L, Section 08, Township 22S, Range 33E  
Lea County, New Mexico

**FIGURE  
3B**



TABLES

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
Dagger Lake South Slot 1 ROW to Slot 2  
Matador Production Company  
Lea County, New Mexico

| Sample Designation                             | Date      | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|------------------------------------------------|-----------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) |           |                  | 10              | 50                 | NE              | NE              | NE              | 1,000           | 2,500             | 20,000           |
| Delineation Soil Samples                       |           |                  |                 |                    |                 |                 |                 |                 |                   |                  |
| SS01                                           | 4/22/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 34.1             |
| SS02                                           | 4/22/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | <20.0            |
| SS03                                           | 4/22/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | <20.0            |
| SS04                                           | 4/22/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 47.7             |
| SS05                                           | 4/22/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 171              |
| SS06                                           | 4/22/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 21.6             |
| SS07                                           | 4/22/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 28.0             |
| SS08                                           | 4/22/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | <20.0            |
| SS09                                           | 4/22/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | <20.0            |
| BH01                                           | 5/13/2024 | 0                | <0.0250         | <0.0500            | <20.0           | 79.6            | 65.1            | 79.6            | 144.7             | 4,040            |
| BH01                                           | 5/13/2024 | 2                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 9,730            |
| BH01                                           | 5/13/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 8,000            |
| BH01                                           | 5/13/2024 | 6.5              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 5,610            |
| BH01                                           | 6/28/2024 | 8                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,380            |
| BH01                                           | 6/28/2024 | 10               | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,160            |
| BH01                                           | 6/28/2024 | 14               | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,880            |
| BH01                                           | 10/9/2024 | 15               | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 4,970            |
| BH01                                           | 10/9/2024 | 16               | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 264              |
| BH02                                           | 5/13/2024 | 0                | <0.0250         | <0.0500            | <20.0           | 69.2            | 60.3            | 69.2            | 129.5             | 4,260            |
| BH02                                           | 5/13/2024 | 2                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,980            |
| BH02                                           | 5/13/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 5,820            |
| BH02                                           | 5/13/2024 | 6.5              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,010            |
| BH02                                           | 6/28/2024 | 10               | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | <20.0            |



**TABLE 1 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Dagger Lake South Slot 1 ROW to Slot 2  
 Matador Production Company  
 Lea County, New Mexico

| Sample Designation                             | Date      | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|------------------------------------------------|-----------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) |           |                  | 10              | 50                 | NE              | NE              | NE              | 1,000           | 2,500             | 20,000           |
| <b>Delineation Soil Samples</b>                |           |                  |                 |                    |                 |                 |                 |                 |                   |                  |
| BH03                                           | 5/13/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 2,420            |
| BH03                                           | 5/13/2024 | 1                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 27.7             |
| BH04                                           | 5/13/2024 | 0                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 2,040            |
| BH04                                           | 5/13/2024 | 3                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 2,430            |
| BH04                                           | 5/13/2024 | 5                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 448              |
| BH05                                           | 5/13/2024 | 0                | <0.0250         | <0.0500            | <20.0           | 1,490           | 874             | 1,490           | 2,364             | 8,130            |
| BH05                                           | 5/13/2024 | 2                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 5,290            |
| BH05                                           | 5/13/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 8,060            |
| BH05                                           | 5/13/2024 | 6                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 5,210            |
| BH05                                           | 5/13/2024 | 8.5              | <0.0250         | <0.0500            | <20.0           | 32.5            | <50.0           | 32.5            | 32.5              | 3,920            |
| BH05                                           | 6/28/2024 | 10               | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 4,930            |
| BH05                                           | 6/28/2024 | 14               | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 4,810            |
| BH05                                           | 10/9/2024 | 15               | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 1,010            |
| BH05                                           | 10/9/2024 | 17               | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <25.0           | <50.0             | 168              |

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

&lt;": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Dagger Lake South Slot 1 ROW to Slot 2  
 Matador Production Company  
 Lea County, New Mexico

| Sample Designation                             | Date      | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|------------------------------------------------|-----------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) |           |                  | 10              | 50                 | NE              | NE              | NE              | 1,000           | 2,500             | 20,000           |
| Excavation Floor Soil Samples                  |           |                  |                 |                    |                 |                 |                 |                 |                   |                  |
| FS01                                           | 9/27/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 789              |
| FS02                                           | 9/27/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,280            |
| FS03                                           | 9/27/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 6,010            |
| FS04                                           | 9/27/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 687              |
| FS05                                           | 9/27/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 5,900            |
| FS06                                           | 9/27/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 2,920            |
| FS07                                           | 9/27/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 5,430            |
| FS08                                           | 9/27/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 2,090            |
| FS09                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,380            |
| FS10                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 1,910            |
| FS11                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 2,210            |
| FS12                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 447              |
| FS13                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 58.5            | <50.0           | 58.5            | 58.5              | 3,630            |
| FS14                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 25.4            | <50.0           | 25.4            | 25.4              | 2,340            |
| FS15                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,570            |
| FS16                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 5,640            |
| FS17                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,180            |
| FS18                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 2,360            |
| FS19                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 2,340            |
| FS20                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,790            |
| FS21                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,360            |
| FS22                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 2,560            |
| FS23                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 5,820            |
| FS24                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,620            |
| FS25                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 32.3            | <50.0           | 32.3            | 32.3              | 2,550            |
| FS26                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 34.5            | <50.0           | 34.5            | 34.5              | 2,430            |
| FS27                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 6,020            |
| FS28                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,820            |
| FS29                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 6,630            |
| FS30                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 5,540            |
| FS31                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 825              |
| FS32                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 903              |
| FS33                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,770            |
| FS34                                           | 10/2/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,510            |

**TABLE 2 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
Dagger Lake South Slot 1 ROW to Slot 2  
Matador Production Company  
Lea County, New Mexico

| Sample Designation                             | Date       | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|------------------------------------------------|------------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) |            |                  | 10              | 50                 | NE              | NE              | NE              | 1,000           | 2,500             | 20,000           |
| Excavation Floor Soil Samples                  |            |                  |                 |                    |                 |                 |                 |                 |                   |                  |
| FS35                                           | 10/2/2024  | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,950            |
| FS36                                           | 10/2/2024  | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 7,090            |
| FS37                                           | 10/2/2024  | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,780            |
| FS38                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 6,360            |
| FS39                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,420            |
| FS40                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,770            |
| FS41                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 5,730            |
| FS42                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 6,920            |
| FS43                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,140            |
| FS44                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,750            |
| FS45                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,050            |
| FS46                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,200            |
| FS47                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,950            |
| FS48                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,340            |
| FS49                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,290            |
| FS50                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,980            |
| FS51                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 34.7            | <50.0           | 34.7            | 34.7              | 2,900            |
| FS52                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,840            |
| FS53                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,840            |
| FS54                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,000            |
| FS55                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 2,180            |
| FS56                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,970            |
| FS57                                           | 10/10/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 6,470            |
| FS58                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 4,450            |
| FS59                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 5,480            |
| FS60                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 5,690            |
| FS61                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 63.1            | <50.0           | 63.1            | 63.1              | 3,870            |
| FS62                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 52.0            | <50.0           | 52.0            | 52.0              | 2,110            |
| FS63                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 3,680            |
| FS64                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 55.8            | <50.0           | 55.8            | 55.8              | 2,510            |
| FS65                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 33.9            | <50.0           | 33.9            | 33.9              | 3,200            |
| FS66                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 95.4            | 51.3            | 95.4            | 146.7             | 4,710            |



**TABLE 2 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Dagger Lake South Slot 1 ROW to Slot 2  
 Matador Production Company  
 Lea County, New Mexico

| Sample Designation                             | Date       | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|------------------------------------------------|------------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) |            |                  | 10              | 50                 | NE              | NE              | NE              | 1,000           | 2,500             | 20,000           |
| Excavation Floor Soil Samples                  |            |                  |                 |                    |                 |                 |                 |                 |                   |                  |
| FS67                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 85.0            | 50.6            | 85.0            | 135.6             | 4,700            |
| FS68                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 126             | 77.8            | 126             | 203.8             | 4,290            |
| FS69                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 30.4            | <50.0           | 30.4            | 30.4              | 3,700            |
| FS70                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 858              |
| FS71                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 2,110            |
| FS72                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 35.9            | <50.0           | 35.9            | 35.9              | 3,120            |
| FS73                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 49.4            | <50.0           | 49.4            | 49.4              | 5,070            |
| FS74                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 91.5            | <50.0           | 91.5            | 91.5              | 3,510            |
| FS75                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 271             | 126             | 271             | 397               | 2,450            |
| FS76                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 64.8            | <50.0           | 64.8            | 64.8              | 2,400            |
| FS77                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 663              |
| FS78                                           | 10/11/2024 | 4                | <0.0250         | <0.0500            | <20.0           | 190             | 87.0            | 190             | 277.0             | 1,760            |

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

&lt;": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



**TABLE 3**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Dagger Lake South Slot 1 ROW to Slot 2  
 Matador Production Company  
 Lea County, New Mexico

| Sample Designation                             | Date       | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|------------------------------------------------|------------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| NMOCD Table I Closure Criteria (NMAC 19.15.29) |            |                  | 10              | 50                 | NE              | NE              | NE              | 1,000           | 2,500             | 20,000           |
| Sidewall Soil Samples                          |            |                  |                 |                    |                 |                 |                 |                 |                   |                  |
| SW01                                           | 10/7/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 167              |
| SW02                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 84.7             |
| SW03                                           | 10/7/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 253              |
| SW04                                           | 10/7/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 326              |
| SW05                                           | 10/4/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 96.8             |
| SW06                                           | 10/7/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 326              |
| SW07                                           | 10/7/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 324              |
| SW08                                           | 10/7/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 119              |
| SW09                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 26.0             |
| SW10                                           | 10/4/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 274              |
| SW11                                           | 10/4/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 272              |
| SW12                                           | 10/4/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 140              |
| SW13                                           | 10/4/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 99.8             |
| SW14                                           | 10/4/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 224              |
| SW15                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 39.2             |
| SW16                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 50.3             |
| SW17                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 23.3             |
| SW18                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 50.0             |
| SW19                                           | 10/7/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 66.7             |
| SW20                                           | 10/7/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | <20.0            |
| SW21                                           | 10/4/2024  | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 91               |
| SW22                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | <20.0            |
| SW23                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | <20.0            |
| SW24                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 215              |
| SW25                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 158              |
| SW26                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 354              |
| SW27                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | <20.0            |
| SW28                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 145              |
| SW29                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | <20.0            |
| SW30                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 39.6             |
| SW31                                           | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 45.1             |



**TABLE 3 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Dagger Lake South Slot 1 ROW to Slot 2  
 Matador Production Company  
 Lea County, New Mexico

| Sample Designation                                    | Date       | Depth (feet bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) | GRO+DRO (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|-------------------------------------------------------|------------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-------------------|------------------|
| <b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b> |            |                  | <b>10</b>       | <b>50</b>          | <b>NE</b>       | <b>NE</b>       | <b>NE</b>       | <b>1,000</b>    | <b>2,500</b>      | <b>20,000</b>    |
| <b>Sidewall Soil Samples</b>                          |            |                  |                 |                    |                 |                 |                 |                 |                   |                  |
| SW32                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 362              |
| SW33                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 127              |
| SW34                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 180              |
| SW35                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 57.9             |
| SW36                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 117              |
| SW37                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 25.1             |
| SW38                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 69.6             |
| SW39                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 103              |
| SW40                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 112              |
| SW41                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 272              |
| SW42                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 268              |
| SW43                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 84.7             |
| SW44                                                  | 10/11/2024 | 0-4              | <0.0250         | <0.0500            | <20.0           | <25.0           | <50.0           | <20.0           | <25.0             | 33.4             |

**Notes:**

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Grey text represents samples that have been excavated

&lt;": 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 Log & Record

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

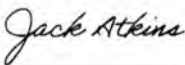
|                                                                                                                                                                 |                                                                                                                                                                                             |                           |                                              |                                                                                        |                                                  |                                                                      |                                           |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------|--------------------|
| 1. GENERAL AND WELL LOCATION                                                                                                                                    | OSE POD NO. (WELL NO.)<br>POD1 (TW-1)                                                                                                                                                       |                           | WELL TAG ID NO.                              |                                                                                        | OSE FILE NO(S).<br>CP-1899                       |                                                                      |                                           |                    |
|                                                                                                                                                                 | WELL OWNER NAME(S)<br>Marathon Oil                                                                                                                                                          |                           |                                              |                                                                                        | PHONE (OPTIONAL)                                 |                                                                      |                                           |                    |
|                                                                                                                                                                 | WELL OWNER MAILING ADDRESS<br>4111 S Tidwell Rd.                                                                                                                                            |                           |                                              |                                                                                        | CITY<br>Carlsbad                                 | STATE<br>NM                                                          | ZIP<br>88220                              |                    |
|                                                                                                                                                                 | WELL LOCATION (FROM GPS)                                                                                                                                                                    | DEGREES<br>LATITUDE<br>32 | MINUTES<br>23                                | SECONDS<br>59.07 N                                                                     | * ACCURACY REQUIRED: ONE TENTH OF A SECOND       |                                                                      |                                           |                    |
|                                                                                                                                                                 |                                                                                                                                                                                             | LONGITUDE<br>103          | 35                                           | 16.17 W                                                                                | * DATUM REQUIRED: WGS 84                         |                                                                      |                                           |                    |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>SE SE SE Sec. 09 T22S R33E, NMPM |                                                                                                                                                                                             |                           |                                              |                                                                                        |                                                  |                                                                      |                                           |                    |
| 2. DRILLING & CASING INFORMATION                                                                                                                                | LICENSE NO.<br>1249                                                                                                                                                                         |                           | NAME OF LICENSED DRILLER<br>Jackie D. Atkins |                                                                                        |                                                  | NAME OF WELL DRILLING COMPANY<br>Atkins Engineering Associates, Inc. |                                           |                    |
|                                                                                                                                                                 | DRILLING STARTED<br>2/9/2022                                                                                                                                                                |                           | DRILLING ENDED<br>2/24/2022                  |                                                                                        | DEPTH OF COMPLETED WELL (FT)<br>temporary casing | BORE HOLE DEPTH (FT)<br>±101                                         | DEPTH WATER FIRST ENCOUNTERED (FT)<br>n/a |                    |
|                                                                                                                                                                 | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)                                             |                           |                                              |                                                                                        |                                                  | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>n/a                     | DATE STATIC MEASURED<br>2/24/22, 3/8/2022 |                    |
|                                                                                                                                                                 | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:                                                                                              |                           |                                              |                                                                                        |                                                  |                                                                      |                                           |                    |
|                                                                                                                                                                 | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger |                           |                                              |                                                                                        |                                                  | CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>  |                                           |                    |
|                                                                                                                                                                 | 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                                                                                                                                                                                           | 101                       | ±8.5                                         | 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                        |                                              |                                                                                        |                                                  |                                                                      |                                           |                    |
|                                                                                                                                                                 |                                                                                                                                                                                             |                           |                                              |                                                                                        |                                                  |                                                                      |                                           |                    |
|                                                                                                                                                                 |                                                                                                                                                                                             |                           |                                              |                                                                                        |                                                  |                                                                      |                                           |                    |
|                                                                                                                                                                 |                                                                                                                                                                                             |                           |                                              |                                                                                        |                                                  |                                                                      |                                           |                    |
|                                                                                                                                                                 |                                                                                                                                                                                             |                           |                                              |                                                                                        |                                                  |                                                                      |                                           |                    |
|                                                                                                                                                                 |                                                                                                                                                                                             |                           |                                              |                                                                                        |                                                  |                                                                      |                                           |                    |

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

|          |         |         |      |                 |        |
|----------|---------|---------|------|-----------------|--------|
| FILE NO. | CP-1899 | POD NO. | POD1 | TRN NO.         | 717713 |
| LOCATION | SESESE  | 8 22S   | 33E  | WELL TAG ID NO. | NA     |

PAGE 1 OF 2

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

| FOR OSE INTERNAL USE |           | WR-20 WELL RECORD & LOG (Version 01/28/2022) |             |
|----------------------|-----------|----------------------------------------------|-------------|
| FILE NO.             | CP-1899   | POD NO.                                      | W001        |
| LOCATION             | SESESE    | TRN NO.                                      | 717713      |
|                      | 8 225 332 | WELL TAG ID NO.                              | NA          |
|                      |           |                                              | PAGE 2 OF 2 |



Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO**  
**OFFICE OF THE STATE ENGINEER**

Trn Nbr: 717713  
File Nbr: CP 01899  
Well File Nbr: CP 01899 POD1

Mar. 22, 2022

MELODIE SANJARI  
MARATHON OIL  
4111 S TIDWELL RD  
CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 01/31/2022.

The Well Record was received in this office on 03/11/2022, stating that it had been completed on 02/24/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 01/31/2023.

If you have any questions, please feel free to contact us.

Sincerely,

Megen Telles  
(575) 622-6521

drywell



## APPENDIX B

### Lithologic Soil Sampling Logs

---



|                                                                                                              |                |             |          |           |                       |                |                  | Sample Name: BH01                                 |                                    | Date: 5/13/24      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|----------|-----------|-----------------------|----------------|------------------|---------------------------------------------------|------------------------------------|--------------------|--|
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Site Name: Dagger Lake South Slot 1 ROW to Slot 2 |                                    |                    |  |
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Incident Number: nAPP2411327945                   |                                    |                    |  |
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Job Number: 03A2270042                            |                                    |                    |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>                                                                                                                                                         |                |             |          |           |                       |                |                  | Logged By: Israel Estrella                        |                                    | Method: Hand Auger |  |
| Coordinates: 32.400456, -103.597449                                                                                                                                                           |                |             |          |           |                       |                |                  | Hole Diameter: 3"                                 |                                    | Total Depth: 16'   |  |
| Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. |                |             |          |           |                       |                |                  |                                                   |                                    |                    |  |
| Moisture Content                                                                                                                                                                              | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions                           |                                    |                    |  |
| D                                                                                                                                                                                             | >3,466         |             | N        | BH01      | 0                     | 0              | SP-SM            | Dry, Sand, No staining.                           |                                    |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH01      | 1                     | 1              |                  | Moist, Sand, No staining.                         |                                    |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH01      | 2                     | 2              |                  |                                                   |                                    |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH01      | 3                     | 3              |                  |                                                   |                                    |                    |  |
| M                                                                                                                                                                                             |                |             | N        | BH01      | 4                     | 4              |                  |                                                   |                                    |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH01      | 5                     | 5              |                  |                                                   |                                    |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH01      | 6                     | 6              |                  |                                                   |                                    |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH01      | 7                     | 7              | CCHE             |                                                   | Caliche - White with some red Sand |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH01      | 8                     | 8              | SM               | Red Sand - Small Grain, No Odor, Poorly graded    |                                    |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH01      | 9                     | 9              |                  |                                                   |                                    |                    |  |
| M                                                                                                                                                                                             | 3,158          |             | N        | BH01      | 10                    | 10             |                  |                                                   |                                    |                    |  |
| M                                                                                                                                                                                             |                |             | N        | BH01      | 11                    | 11             |                  |                                                   |                                    |                    |  |
| M                                                                                                                                                                                             |                |             | N        | BH01      | 12                    | 12             |                  |                                                   |                                    |                    |  |

|                                                                                                                                              |                |             |          |           |                       |                |                  | Sample Name: BH01                                   |  | Date: 10/9/24    |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|----------|-----------|-----------------------|----------------|------------------|-----------------------------------------------------|--|------------------|--|
|                                                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Site Name: Dagger lake South Slot 1 ROW to Slot 2   |  |                  |  |
|                                                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Incident Number: nAPP2411327945                     |  |                  |  |
|                                                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Job Number: 03A2270042                              |  |                  |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>                                                                                                                                                                                         |                |             |          |           |                       |                |                  | Logged By: Israel Estrella                          |  | Method: Trackhoe |  |
| Coordinates: 32.400456, -103.597449                                                                                                                                                                                           |                |             |          |           |                       |                |                  | Hole Diameter: 3"                                   |  | Total Depth: 16' |  |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. |                |             |          |           |                       |                |                  |                                                     |  |                  |  |
| Moisture Content                                                                                                                                                                                                              | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions                             |  |                  |  |
| M                                                                                                                                                                                                                             | 1,372          |             | N        | BH01      | 13                    | 13             | SM               | Red Sand - Small Grain, No Odor, Poorly graded      |  |                  |  |
| M                                                                                                                                                                                                                             | >3,400         |             | N        | BH01      | 14                    | 14             |                  |                                                     |  |                  |  |
| D                                                                                                                                                                                                                             | 3427           |             | N        | BH01      | 15                    | 15             |                  |                                                     |  |                  |  |
|                                                                                                                                                                                                                               |                |             |          |           |                       |                | SP-SM            | Dry, Sand, No Stain, Non Plastic, Non Plyable.      |  |                  |  |
| D                                                                                                                                                                                                                             | 235            |             | N        | BH01      | 16                    | 16             |                  | Dry, Sandy Clay, No Stain, Non Plastic, Non Plyable |  |                  |  |
| Total Depth @ 16 ft bgs.                                                                                                                                                                                                      |                |             |          |           |                       |                |                  |                                                     |  |                  |  |

|  <b>ENSOLUM</b>                                                                                                                              |                |             |          |           |                       |                |                  | Sample Name: BH02                                 |  | Date: 5/13/24      |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|----------|-----------|-----------------------|----------------|------------------|---------------------------------------------------|--|--------------------|--|
|                                                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Site Name: Dagger Lake South Slot 1 ROW to Slot 2 |  |                    |  |
|                                                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Incident Number: nAPP2411327945                   |  |                    |  |
|                                                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Job Number: 03A2270042                            |  |                    |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>                                                                                                                                                                                         |                |             |          |           |                       |                |                  | Logged By: Israel Estrella                        |  | Method: Hand Auger |  |
| Coordinates: 32.400467, -103.597669                                                                                                                                                                                           |                |             |          |           |                       |                |                  | Hole Diameter: 3"                                 |  | Total Depth: 8'    |  |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. |                |             |          |           |                       |                |                  |                                                   |  |                    |  |
| Moisture Content                                                                                                                                                                                                              | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions                           |  |                    |  |
| D                                                                                                                                                                                                                             |                |             | N        | BH02      | 0                     | 0              | SP-SM            | Dry, Sand, No Staining.                           |  |                    |  |
| M                                                                                                                                                                                                                             |                |             | N        | BH02      | 1                     | 1              |                  | Moist, Sand, No Stainig.                          |  |                    |  |
| M                                                                                                                                                                                                                             |                |             | N        | BH02      | 2                     | 2              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                                                             |                |             | N        | BH02      | 3                     | 3              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                                                             |                |             | N        | BH02      | 4                     | 4              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                                                             |                |             | N        | BH02      | 5                     | 5              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                                                             |                |             | N        | BH02      | 6                     | 6              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                                                             |                |             | N        | BH02      | 7                     | 7              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                                                             |                |             | N        | BH02      | 8                     | 8              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                                                             |                |             | N        | BH02      | 9                     | 9              | CCHE             | Caliche - Tan, Some sand, Small grain, No odor    |  |                    |  |
| D                                                                                                                                                                                                                             | <164           |             | N        | BH02      | 10                    | 10             |                  |                                                   |  |                    |  |
| Total Depth = 10'                                                                                                                                                                                                             |                |             |          |           |                       |                |                  |                                                   |  |                    |  |

|                                                                                                              |                |             |          |           |                       |                |                  | Sample Name: BH03                                 |  | Date: 5/13/24      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|----------|-----------|-----------------------|----------------|------------------|---------------------------------------------------|--|--------------------|--|
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Site Name: Dagger Lake South Slot 1 ROW to Slot 2 |  |                    |  |
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Incident Number: nAPP2411327945                   |  |                    |  |
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Job Number: 03A2270042                            |  |                    |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>                                                                                                                                                         |                |             |          |           |                       |                |                  | Logged By: Israel Estrella                        |  | Method: Hand Auger |  |
| Coordinates: 32.400487, -103.598102                                                                                                                                                           |                |             |          |           |                       |                |                  | Hole Diameter: 3"                                 |  | Total Depth: 7'    |  |
| Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. |                |             |          |           |                       |                |                  |                                                   |  |                    |  |
| Moisture Content                                                                                                                                                                              | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions                           |  |                    |  |
| D                                                                                                                                                                                             |                |             | N        | BH03      | 0                     | 0              | SP-SM            | Dry, Sand, No Staining.                           |  |                    |  |
| D                                                                                                                                                                                             |                |             | N        | BH03      | 1                     | 1              |                  |                                                   |  |                    |  |
| Total Depth 1'                                                                                                                                                                                |                |             |          |           |                       |                |                  |                                                   |  |                    |  |



|                                                                                                              |                |             |          |           |                       |                |                  | Sample Name: BH04                                 |  | Date: 5/13/24      |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|----------|-----------|-----------------------|----------------|------------------|---------------------------------------------------|--|--------------------|--|--|--|
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Site Name: Dagger Lake South Slot 1 ROW to Slot 2 |  |                    |  |  |  |
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Incident Number: nAPP2411327945                   |  |                    |  |  |  |
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Job Number: 03A2270042                            |  |                    |  |  |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>                                                                                                                                                         |                |             |          |           |                       |                |                  | Logged By: Israel Estrella                        |  | Method: Hand Auger |  |  |  |
| Coordinates: 32.400407, -103.598547                                                                                                                                                           |                |             |          |           |                       |                |                  | Hole Diameter: 3"                                 |  | Total Depth: 7'    |  |  |  |
| Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. |                |             |          |           |                       |                |                  |                                                   |  |                    |  |  |  |
| Moisture Content                                                                                                                                                                              | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions                           |  |                    |  |  |  |
| D                                                                                                                                                                                             |                |             | N        | BH04      | 0                     | 0              | SP-SM            | Dry, Sand, No Staining.                           |  |                    |  |  |  |
| M                                                                                                                                                                                             |                |             | N        | BH04      | 1                     | 1              |                  | Moist, Sand, No Staining.                         |  |                    |  |  |  |
| M                                                                                                                                                                                             |                |             | N        | BH04      | 2                     | 2              |                  |                                                   |  |                    |  |  |  |
| M                                                                                                                                                                                             |                |             | N        | BH04      | 3                     | 3              |                  |                                                   |  |                    |  |  |  |
| M                                                                                                                                                                                             |                |             | N        | BH04      | 4                     | 4              |                  |                                                   |  |                    |  |  |  |
| M                                                                                                                                                                                             |                |             | N        | BH04      | 5                     | 5              |                  |                                                   |  |                    |  |  |  |
| Total Depth 5'                                                                                                                                                                                |                |             |          |           |                       |                |                  |                                                   |  |                    |  |  |  |

|                                                                                                              |                |             |          |           |                       |                |                  | Sample Name: BH05                                 |  | Date: 5/13/24      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|----------|-----------|-----------------------|----------------|------------------|---------------------------------------------------|--|--------------------|--|
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Site Name: Dagger Lake South Slot 1 ROW to Slot 2 |  |                    |  |
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Incident Number: nAPP2411327945                   |  |                    |  |
|                                                                                                                                                                                               |                |             |          |           |                       |                |                  | Job Number: 03A2270042                            |  |                    |  |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>                                                                                                                                                         |                |             |          |           |                       |                |                  | Logged By: Israel Estrella                        |  | Method: Hand Auger |  |
| Coordinates: 32.400421, -103.599255                                                                                                                                                           |                |             |          |           |                       |                |                  | Hole Diameter: 3"                                 |  | Total Depth: 17'   |  |
| Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. |                |             |          |           |                       |                |                  |                                                   |  |                    |  |
| Moisture Content                                                                                                                                                                              | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions                           |  |                    |  |
| D                                                                                                                                                                                             | >3,466         |             | N        | BH05      | 0                     | 0              | SP-SM            | Dry, Sand, No Staining.                           |  |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH05      | 1                     | 1              | SP-SM            | Moist, Sand, No Staining.                         |  |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH05      | 2                     | 2              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH05      | 3                     | 3              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                             |                |             | N        | BH05      | 4                     | 4              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH05      | 5                     | 5              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                             |                |             | N        | BH05      | 6                     | 6              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH05      | 7                     | 7              |                  |                                                   |  |                    |  |
|                                                                                                                                                                                               |                |             |          |           |                       | 8              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                             | >3,466         |             | N        | BH05      | 8.5                   |                |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                             |                |             | N        | BH05      | 9                     | 9              |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                             | >3,400         |             | N        | BH05      | 10                    | 10             | SC               | Sand with Red clay - Poorly graded, No odor       |  |                    |  |
|                                                                                                                                                                                               |                |             |          |           |                       | 11             |                  |                                                   |  |                    |  |
| M                                                                                                                                                                                             | >3,400         |             | N        | BH05      | 12                    | 12             |                  |                                                   |  |                    |  |

|  <b>ENSOLUM</b>                                                                                              |                | Sample Name: BH05                                 |                            | Date: 5/13/24 |                       |                |                  |                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------|----------------------------|---------------|-----------------------|----------------|------------------|---------------------------------------------|
|                                                                                                                                                                                               |                | Site Name: Dagger Lake South Slot 1 ROW to Slot 2 |                            |               |                       |                |                  |                                             |
|                                                                                                                                                                                               |                | Incident Number: nAPP2411327945                   |                            |               |                       |                |                  |                                             |
|                                                                                                                                                                                               |                | Job Number: 03A2270042                            |                            |               |                       |                |                  |                                             |
| <b>LITHOLOGIC / SOIL SAMPLING LOG</b>                                                                                                                                                         |                |                                                   |                            |               |                       |                |                  |                                             |
| Coordinates: 32.400421, -103.599255                                                                                                                                                           |                |                                                   | Logged By: Israel Estrella |               | Method: Hand Auger    |                |                  |                                             |
|                                                                                                                                                                                               |                |                                                   | Hole Diameter: 3"          |               | Total Depth: 17'      |                |                  |                                             |
| Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. |                |                                                   |                            |               |                       |                |                  |                                             |
| Moisture Content                                                                                                                                                                              | Chloride (ppm) | Vapor (ppm)                                       | Staining                   | Sample ID     | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions                     |
| M                                                                                                                                                                                             | 3,400          |                                                   | N                          | BH05          | 14                    | 14             | SC               | Sand with Red clay - Poorly graded, No odor |
| M                                                                                                                                                                                             | 1,013          |                                                   | N                          | BH05          | 15                    | 15             |                  |                                             |
| M                                                                                                                                                                                             | 929            |                                                   | N                          | BH05          | 16                    | 16             |                  |                                             |
| M                                                                                                                                                                                             | 235            |                                                   | N                          | BH05          | 17                    | 17             |                  |                                             |
| Total Depth @ 17 ft bgs.                                                                                                                                                                      |                |                                                   |                            |               |                       |                |                  |                                             |



## APPENDIX C

### Photographic Log

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# Photographic Log

Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
nAPP2411327945



Photograph 1  
Description: Release Extent  
View: Southwest

Date: 04/22/2024



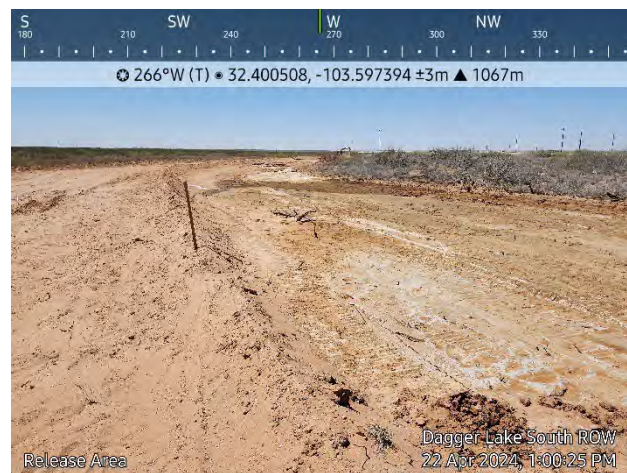
Photograph 2  
Description: Release Extent  
View: West

Date: 04/22/2024



Photograph 3  
Description: Release Extent  
View: Southeast

Date: 04/22/2024



Photograph 4  
Description: Release Extent  
View: West

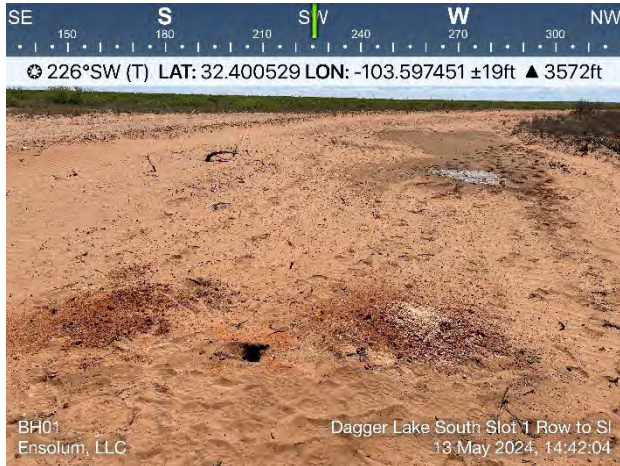
Date: 04/22/2024





### Photographic Log

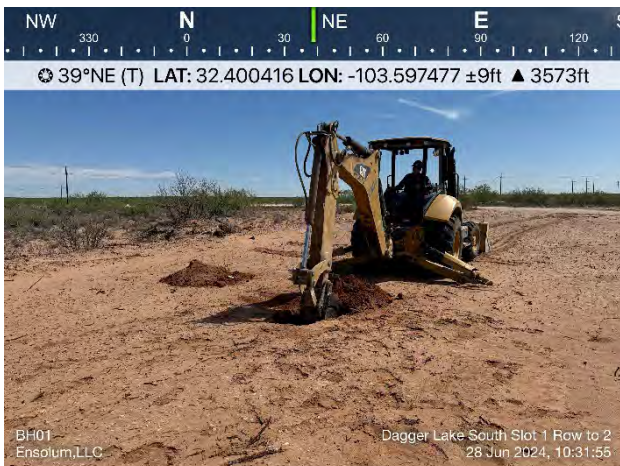
Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
nAPP2411327945



Photograph 5 Date: 05/13/2024  
Description: Delineation Sampling  
View: Southwest



Photograph 6 Date: 05/13/2024  
Description: Delineation Sampling  
View: Southwest



Photograph 7 Date: 06/28/2024  
Description: Potholing (BH01)  
View: Northeast



Photograph 8 Date: 06/28/2024  
Description: Potholing (BH02)  
View: Northwest





# Photographic Log

Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
nAPP2411327945



Photograph 9  
Description: Potholing (BH02)  
View: Southwest

Date: 06/28/2024



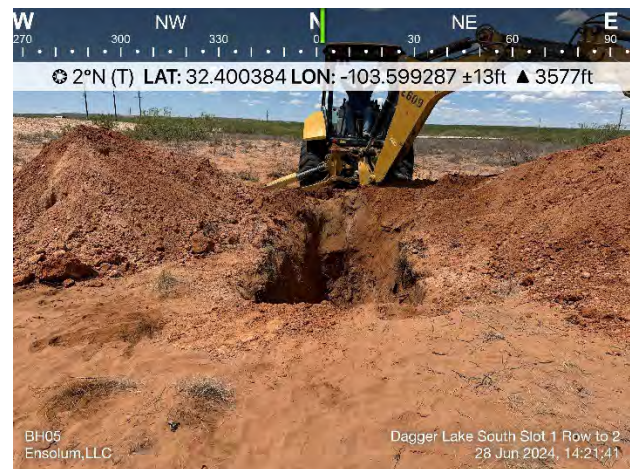
Photograph 10  
Description: Potholing (BH05)  
View: North

Date: 06/28/2024



Photograph 11  
Description: Potholing (BH05)  
View: North

Date: 06/28/2024



Photograph 12  
Description: Potholing (BH05)  
View: North

Date: 06/28/2024





# Photographic Log

Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
nAPP2411327945



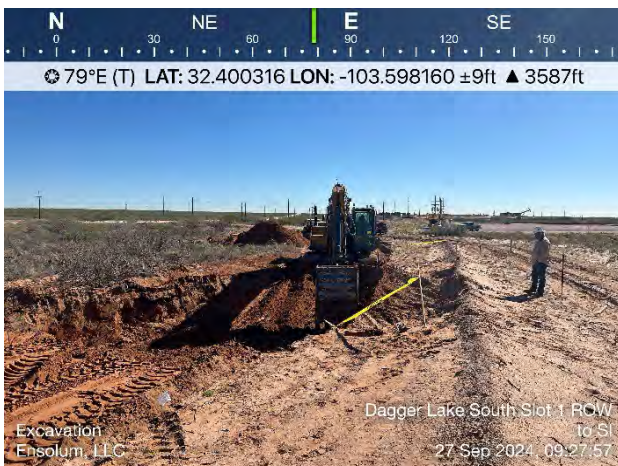
Photograph 13  
Description: Excavation  
View: West

Date: 09/25/2024



Photograph 14  
Description: Excavation  
View: Southwest

Date: 09/26/2024



Photograph 15  
Description: Excavation  
View: East

Date: 09/27/2024



Photograph 16  
Description: Excavation  
View: South

Date: 09/30/2024





# Photographic Log

Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
nAPP2411327945



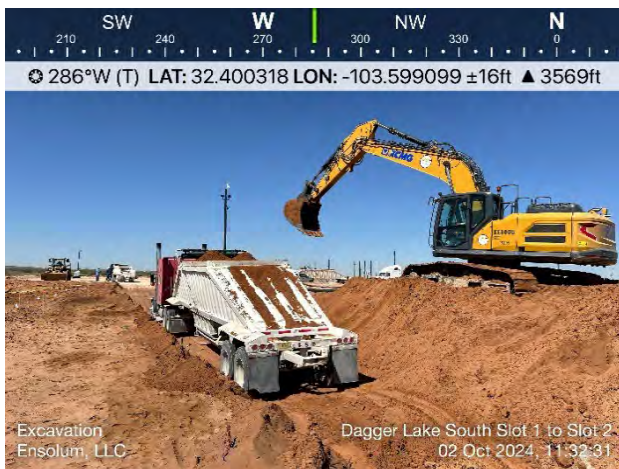
Photograph 17  
Description: Excavation  
View: East

Date: 09/30/2024



Photograph 18  
Description: Excavation  
View: East

Date: 10/01/2024



Photograph 19  
Description: Excavation  
View: West

Date: 10/02/2024



Photograph 20  
Description: Excavation  
View: West

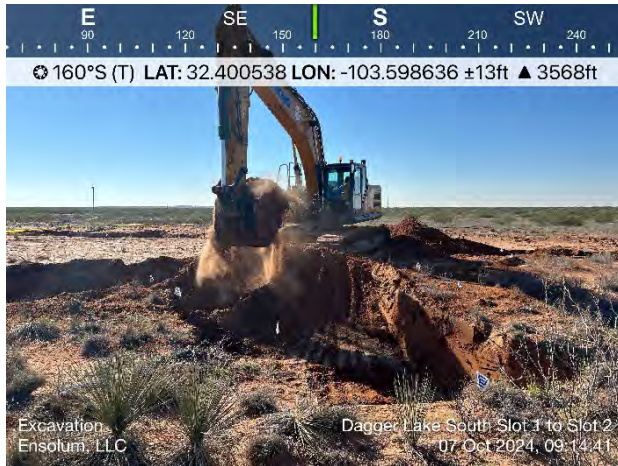
Date: 10/04/2024





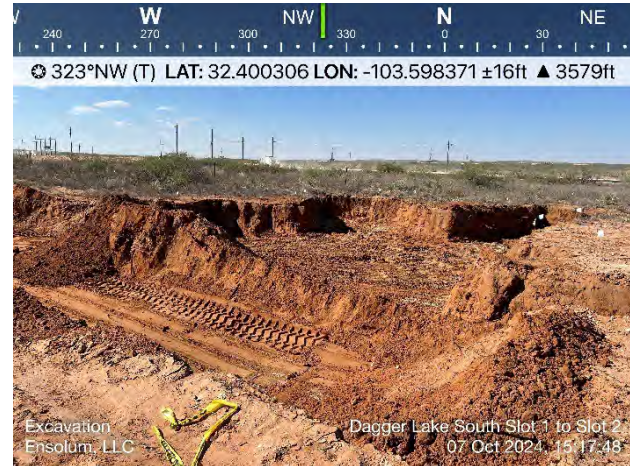
# Photographic Log

Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
nAPP2411327945



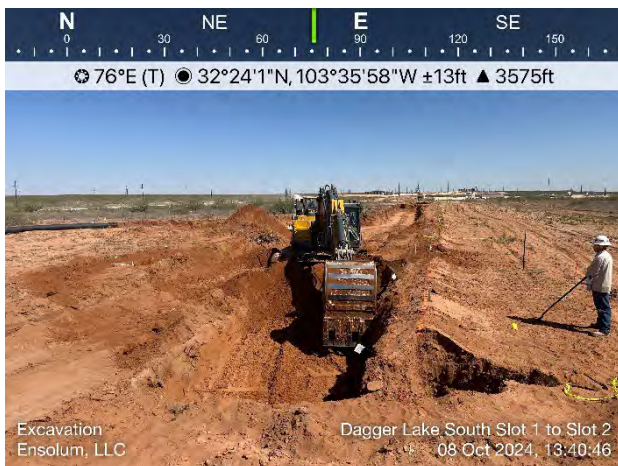
Photograph 21  
Description: Excavation  
View: South

Date: 10/07/2024



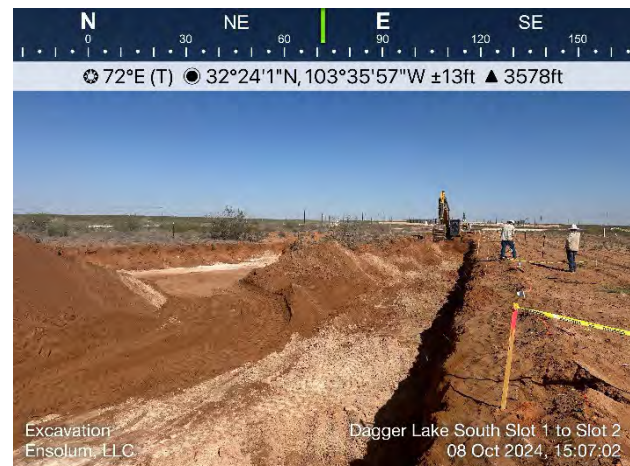
Photograph 22  
Description: Excavation  
View: North

Date: 10/07/2024



Photograph 23  
Description: Excavation  
View: East

Date: 10/08/2024



Photograph 24  
Description: Excavation  
View: East

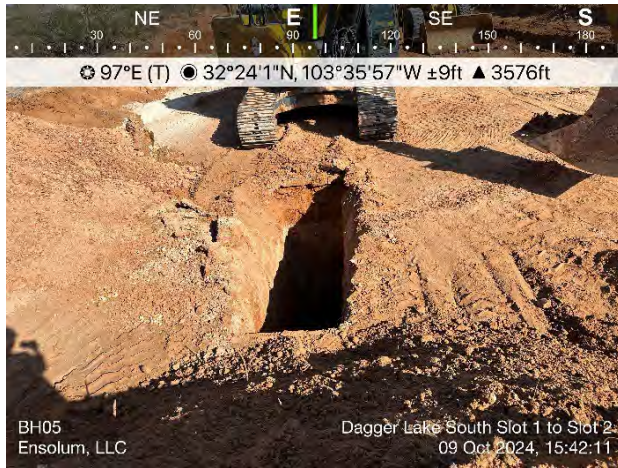
Date: 10/08/2024





# Photographic Log

Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
nAPP2411327945



Photograph 25 Date: 10/09/2024  
Description: Vertical Delineation (BH05)  
View: East



Photograph 26 Date: 10/09/2024  
Description: Vertical Delineation (BH01)  
View: West



Photograph 27 Date: 10/10/2024  
Description: Excavation  
View: East



Photograph 28 Date: 10/10/2024  
Description: Excavation  
View: East





# Photographic Log

Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
nAPP2411327945



Photograph 29  
Description: Excavation  
View: West

Date: 10/11/2024



Photograph 30  
Description: Excavation  
View: East

Date: 10/11/2024



Photograph 31  
Description: Excavation  
View: South

Date: 10/11/2024



Photograph 32  
Description: Excavation  
View: South

Date: 10/11/2024



## APPENDIX D

### Laboratory Analytical Reports & Chain-of-Custody Documentation

---



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South ROW

Work Order: E404241

Job Number: 23003-C-0001

Received: 4/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/29/24

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: 4/29/24

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



Project Name: Dagger Lake South ROW  
Workorder: E404241  
Date Received: 4/24/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/24/2024 5:00:00AM, under the Project Name: Dagger Lake South ROW.

The analytical test results summarized in this report with the Project Name: Dagger Lake South ROW 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Sample Custody Officer  
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Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

|                                                                             |                                                                                                         |                             |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South ROW<br>Project Number: 23003-C-0001<br>Project Manager: Ashley Giovengo | Reported:<br>04/29/24 13:23 |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| SS01-0'          | E404241-01A   | Soil   | 04/22/24 | 04/24/24 | Glass Jar, 2 oz. |
| SS02-0'          | E404241-02A   | Soil   | 04/22/24 | 04/24/24 | Glass Jar, 2 oz. |
| SS03-0'          | E404241-03A   | Soil   | 04/22/24 | 04/24/24 | Glass Jar, 2 oz. |
| SS04-0'          | E404241-04A   | Soil   | 04/22/24 | 04/24/24 | Glass Jar, 2 oz. |
| SS05-0'          | E404241-05A   | Soil   | 04/22/24 | 04/24/24 | Glass Jar, 2 oz. |
| SS06-0'          | E404241-06A   | Soil   | 04/22/24 | 04/24/24 | Glass Jar, 2 oz. |
| SS07-0'          | E404241-07A   | Soil   | 04/22/24 | 04/24/24 | Glass Jar, 2 oz. |
| SS08-0'          | E404241-08A   | Soil   | 04/22/24 | 04/24/24 | Glass Jar, 2 oz. |
| SS09-0'          | E404241-09A   | Soil   | 04/22/24 | 04/24/24 | Glass Jar, 2 oz. |





## Sample Data

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

Project Name: Dagger Lake South ROW  
Project Number: 23003-C-0001  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2024 1:23:51PM

**SS01-0'**

**E404241-01**

| Analyte                                               | Result        | Reporting Limit | Dilution     | Prepared        | Analyzed        | Notes |
|-------------------------------------------------------|---------------|-----------------|--------------|-----------------|-----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg         | mg/kg           | Analyst: RKS |                 | Batch: 2417041  |       |
| Benzene                                               | ND            | 0.0250          | 1            | 04/24/24        | 04/24/24        |       |
| Ethylbenzene                                          | ND            | 0.0250          | 1            | 04/24/24        | 04/24/24        |       |
| Toluene                                               | ND            | 0.0250          | 1            | 04/24/24        | 04/24/24        |       |
| o-Xylene                                              | ND            | 0.0250          | 1            | 04/24/24        | 04/24/24        |       |
| p,m-Xylene                                            | ND            | 0.0500          | 1            | 04/24/24        | 04/24/24        |       |
| Total Xylenes                                         | ND            | 0.0250          | 1            | 04/24/24        | 04/24/24        |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | <i>91.8 %</i> | <i>70-130</i>   |              | <i>04/24/24</i> | <i>04/24/24</i> |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg         | mg/kg           | Analyst: RKS |                 | Batch: 2417041  |       |
| Gasoline Range Organics (C6-C10)                      | ND            | 20.0            | 1            | 04/24/24        | 04/24/24        |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | <i>86.9 %</i> | <i>70-130</i>   |              | <i>04/24/24</i> | <i>04/24/24</i> |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg         | mg/kg           | Analyst: KM  |                 | Batch: 2417043  |       |
| Diesel Range Organics (C10-C28)                       | ND            | 25.0            | 1            | 04/24/24        | 04/24/24        |       |
| Oil Range Organics (C28-C36)                          | ND            | 50.0            | 1            | 04/24/24        | 04/24/24        |       |
| <i>Surrogate: n-Nonane</i>                            | <i>83.0 %</i> | <i>50-200</i>   |              | <i>04/24/24</i> | <i>04/24/24</i> |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg         | mg/kg           | Analyst: DT  |                 | Batch: 2417045  |       |
| Chloride                                              | 34.1          | 20.0            | 1            | 04/24/24        | 04/24/24        |       |



## Sample Data

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

Project Name: Dagger Lake South ROW  
Project Number: 23003-C-0001  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2024 1:23:51PM

SS02-0'

E404241-02

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 04/24/24 | 04/24/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 92.6 % | 70-130          |              | 04/24/24 | 04/24/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/24/24 | 04/24/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 87.5 % | 70-130          |              | 04/24/24 | 04/24/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM  |          | Batch: 2417043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/24/24 | 04/24/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 04/24/24 | 04/24/24       |       |
| <i>Surrogate: n-Nonane</i>                            | 79.9 % | 50-200          |              | 04/24/24 | 04/24/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT  |          | Batch: 2417045 |       |
| Chloride                                              | ND     | 20.0            | 1            | 04/24/24 | 04/24/24       |       |



Sample Data

|                                                                             |                                                                                                         |                                  |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South ROW<br>Project Number: 23003-C-0001<br>Project Manager: Ashley Giovengo | Reported:<br>4/29/2024 1:23:51PM |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|

SS03-0'

E404241-03

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 04/24/24 | 04/24/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 92.3 % | 70-130          |              | 04/24/24 | 04/24/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/24/24 | 04/24/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 87.3 % | 70-130          |              | 04/24/24 | 04/24/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM  |          | Batch: 2417043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/24/24 | 04/24/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 04/24/24 | 04/24/24       |       |
| Surrogate: n-Nonane                                   | 77.2 % | 50-200          |              | 04/24/24 | 04/24/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT  |          | Batch: 2417045 |       |
| Chloride                                              | ND     | 20.0            | 1            | 04/24/24 | 04/24/24       |       |



Sample Data

|                                                                             |                                                                                                         |                                  |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South ROW<br>Project Number: 23003-C-0001<br>Project Manager: Ashley Giovengo | Reported:<br>4/29/2024 1:23:51PM |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|

SS04-0'

E404241-04

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 04/24/24 | 04/24/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 04/24/24 | 04/24/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 92.1 % | 70-130          |              | 04/24/24 | 04/24/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/24/24 | 04/24/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 87.4 % | 70-130          |              | 04/24/24 | 04/24/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM  |          | Batch: 2417043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/24/24 | 04/24/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 04/24/24 | 04/24/24       |       |
| Surrogate: n-Nonane                                   | 83.3 % | 50-200          |              | 04/24/24 | 04/24/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT  |          | Batch: 2417045 |       |
| Chloride                                              | 47.7   | 20.0            | 1            | 04/24/24 | 04/24/24       |       |





## Sample Data

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

Project Name: Dagger Lake South ROW  
Project Number: 23003-C-0001  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2024 1:23:51PM

SS05-0'

E404241-05

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 04/24/24 | 04/25/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 93.4 % | 70-130          |              | 04/24/24 | 04/25/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/24/24 | 04/25/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 87.7 % | 70-130          |              | 04/24/24 | 04/25/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM  |          | Batch: 2417043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/24/24 | 04/25/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 04/24/24 | 04/25/24       |       |
| <i>Surrogate: n-Nonane</i>                            | 80.4 % | 50-200          |              | 04/24/24 | 04/25/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT  |          | Batch: 2417045 |       |
| Chloride                                              | 171    | 20.0            | 1            | 04/24/24 | 04/24/24       |       |



## Sample Data

|                                                                             |                                                                                                         |                                  |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South ROW<br>Project Number: 23003-C-0001<br>Project Manager: Ashley Giovengo | Reported:<br>4/29/2024 1:23:51PM |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|

SS06-0'

E404241-06

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 04/24/24 | 04/25/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 92.7 % | 70-130          |              | 04/24/24 | 04/25/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/24/24 | 04/25/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 87.0 % | 70-130          |              | 04/24/24 | 04/25/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM  |          | Batch: 2417043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/24/24 | 04/25/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 04/24/24 | 04/25/24       |       |
| Surrogate: n-Nonane                                   | 82.7 % | 50-200          |              | 04/24/24 | 04/25/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT  |          | Batch: 2417045 |       |
| Chloride                                              | 21.6   | 20.0            | 1            | 04/24/24 | 04/24/24       |       |



## Sample Data

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

Project Name: Dagger Lake South ROW  
Project Number: 23003-C-0001  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2024 1:23:51PM

SS07-0'

E404241-07

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2417041 |
| Benzene                                               | ND     | 0.0250          | 1        | 04/24/24     | 04/25/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 04/24/24     | 04/25/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 04/24/24     | 04/25/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 04/24/24     | 04/25/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 04/24/24     | 04/25/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 04/24/24     | 04/25/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|                                                       | 93.1 % | 70-130          |          | 04/24/24     | 04/25/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2417041 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/24/24     | 04/25/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|                                                       | 88.0 % | 70-130          |          | 04/24/24     | 04/25/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2417043 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/24/24     | 04/25/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 04/24/24     | 04/25/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|                                                       | 82.2 % | 50-200          |          | 04/24/24     | 04/25/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: DT  |          | Batch: 2417045 |
| Chloride                                              | 28.0   | 20.0            | 1        | 04/24/24     | 04/24/24 |                |



## Sample Data

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

Project Name: Dagger Lake South ROW  
Project Number: 23003-C-0001  
Project Manager: Ashley Giovengo

**Reported:**  
4/29/2024 1:23:51PM

SS08-0'

E404241-08

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 04/24/24 | 04/25/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 93.3 % | 70-130          |              | 04/24/24 | 04/25/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/24/24 | 04/25/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 87.9 % | 70-130          |              | 04/24/24 | 04/25/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM  |          | Batch: 2417043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/24/24 | 04/25/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 04/24/24 | 04/25/24       |       |
| <i>Surrogate: n-Nonane</i>                            | 86.1 % | 50-200          |              | 04/24/24 | 04/25/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT  |          | Batch: 2417045 |       |
| Chloride                                              | ND     | 20.0            | 1            | 04/24/24 | 04/24/24       |       |





Sample Data

|                                                                             |                                                                                                         |                                  |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South ROW<br>Project Number: 23003-C-0001<br>Project Manager: Ashley Giovengo | Reported:<br>4/29/2024 1:23:51PM |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|

SS09-0'

E404241-09

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 04/24/24 | 04/25/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 04/24/24 | 04/25/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 93.9 % | 70-130          |              | 04/24/24 | 04/25/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2417041 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/24/24 | 04/25/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 87.4 % | 70-130          |              | 04/24/24 | 04/25/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KM  |          | Batch: 2417043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/24/24 | 04/25/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 04/24/24 | 04/25/24       |       |
| Surrogate: n-Nonane                                   | 81.8 % | 50-200          |              | 04/24/24 | 04/25/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT  |          | Batch: 2417045 |       |
| Chloride                                              | ND     | 20.0            | 1            | 04/24/24 | 04/24/24       |       |



QC Summary Data

|                              |                  |                       |                     |
|------------------------------|------------------|-----------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South ROW | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-C-0001          |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo       | 4/29/2024 1:23:51PM |

Volatile Organics by EPA 8021B

Analyst: RKS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2417041-BLK1) Prepared: 04/24/24 Analyzed: 04/24/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 (2417041-BS1) Prepared: 04/24/24 Analyzed: 04/24/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.98 | 0.0250 | 5.00 |  | 99.7 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.96 | 0.0250 | 5.00 |  | 99.2 | 70-130 |  |  |  |
| Toluene                             | 4.96 | 0.0250 | 5.00 |  | 99.2 | 70-130 |  |  |  |
| o-Xylene                            | 4.89 | 0.0250 | 5.00 |  | 97.9 | 70-130 |  |  |  |
| p,m-Xylene                          | 9.99 | 0.0500 | 10.0 |  | 99.9 | 70-130 |  |  |  |
| Total Xylenes                       | 14.9 | 0.0250 | 15.0 |  | 99.2 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.19 |        | 8.00 |  | 89.9 | 70-130 |  |  |  |

Matrix Spike (2417041-MS1) Source: E404240-03 Prepared: 04/24/24 Analyzed: 04/24/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 5.13 | 0.0250 | 5.00 | ND | 103  | 54-133 |  |  |  |
| Ethylbenzene                        | 5.08 | 0.0250 | 5.00 | ND | 102  | 61-133 |  |  |  |
| Toluene                             | 5.10 | 0.0250 | 5.00 | ND | 102  | 61-130 |  |  |  |
| o-Xylene                            | 5.01 | 0.0250 | 5.00 | ND | 100  | 63-131 |  |  |  |
| p,m-Xylene                          | 10.2 | 0.0500 | 10.0 | ND | 102  | 63-131 |  |  |  |
| Total Xylenes                       | 15.3 | 0.0250 | 15.0 | ND | 102  | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.18 |        | 8.00 |    | 89.7 | 70-130 |  |  |  |

Matrix Spike Dup (2417041-MSD1) Source: E404240-03 Prepared: 04/24/24 Analyzed: 04/24/24

|                                     |      |        |      |    |      |        |      |    |  |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene                             | 5.30 | 0.0250 | 5.00 | ND | 106  | 54-133 | 3.32 | 20 |  |
| Ethylbenzene                        | 5.27 | 0.0250 | 5.00 | ND | 105  | 61-133 | 3.64 | 20 |  |
| Toluene                             | 5.28 | 0.0250 | 5.00 | ND | 106  | 61-130 | 3.31 | 20 |  |
| o-Xylene                            | 5.23 | 0.0250 | 5.00 | ND | 105  | 63-131 | 4.13 | 20 |  |
| p,m-Xylene                          | 10.6 | 0.0500 | 10.0 | ND | 106  | 63-131 | 3.51 | 20 |  |
| Total Xylenes                       | 15.8 | 0.0250 | 15.0 | ND | 106  | 63-131 | 3.71 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.24 |        | 8.00 |    | 90.5 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                       |                     |
|------------------------------|------------------|-----------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South ROW | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-C-0001          |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo       | 4/29/2024 1:23:51PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2417041-BLK1) Prepared: 04/24/24 Analyzed: 04/24/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.88 |      | 8.00 |  | 86.0 | 70-130 |  |  |  |

LCS (2417041-BS2) Prepared: 04/24/24 Analyzed: 04/24/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 38.3 | 20.0 | 50.0 |  | 76.5 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.11 |      | 8.00 |  | 88.8 | 70-130 |  |  |  |

Matrix Spike (2417041-MS2) Source: E404240-03 Prepared: 04/24/24 Analyzed: 04/24/24

|                                         |      |      |      |    |      |        |  |  |  |
|-----------------------------------------|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 39.1 | 20.0 | 50.0 | ND | 78.1 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.78 |      | 8.00 |    | 84.7 | 70-130 |  |  |  |

Matrix Spike Dup (2417041-MSD2) Source: E404240-03 Prepared: 04/24/24 Analyzed: 04/24/24

|                                         |      |      |      |    |      |        |      |    |  |
|-----------------------------------------|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 38.5 | 20.0 | 50.0 | ND | 77.0 | 70-130 | 1.49 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.83 |      | 8.00 |    | 85.4 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                       |                     |
|------------------------------|------------------|-----------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South ROW | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-C-0001          |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo       | 4/29/2024 1:23:51PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2417043-BLK1) Prepared: 04/24/24 Analyzed: 04/24/24

|                                 |      |      |      |  |      |        |  |  |  |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |      |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |      |        |  |  |  |
| Surrogate: n-Nonane             | 44.3 |      | 50.0 |  | 88.7 | 50-200 |  |  |  |

LCS (2417043-BS1) Prepared: 04/24/24 Analyzed: 04/24/24

|                                 |      |      |      |  |      |        |  |  |  |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 258  | 25.0 | 250  |  | 103  | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 46.6 |      | 50.0 |  | 93.2 | 50-200 |  |  |  |

Matrix Spike (2417043-MS1) Source: E404240-03 Prepared: 04/24/24 Analyzed: 04/24/24

|                                 |      |      |      |    |      |        |  |  |  |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 265  | 25.0 | 250  | ND | 106  | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 46.1 |      | 50.0 |    | 92.3 | 50-200 |  |  |  |

Matrix Spike Dup (2417043-MSD1) Source: E404240-03 Prepared: 04/24/24 Analyzed: 04/24/24

|                                 |      |      |      |    |      |        |      |    |  |
|---------------------------------|------|------|------|----|------|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 251  | 25.0 | 250  | ND | 100  | 38-132 | 5.19 | 20 |  |
| Surrogate: n-Nonane             | 45.1 |      | 50.0 |    | 90.3 | 50-200 |      |    |  |





QC Summary Data

|                                                                             |                                                                                                         |                                  |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South ROW<br>Project Number: 23003-C-0001<br>Project Manager: Ashley Giovengo | Reported:<br>4/29/2024 1:23:51PM |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|

Anions by EPA 300.0/9056A

Analyst: DT

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |     |      |     |    |                                       |        |                                       |    |  |
|---------------------------------|-----|------|-----|----|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2417045-BLK1)            |     |      |     |    | Prepared: 04/24/24 Analyzed: 04/24/24 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |    |                                       |        |                                       |    |  |
| LCS (2417045-BS1)               |     |      |     |    | Prepared: 04/24/24 Analyzed: 04/24/24 |        |                                       |    |  |
| Chloride                        | 253 | 20.0 | 250 |    | 101                                   | 90-110 |                                       |    |  |
| Matrix Spike (2417045-MS1)      |     |      |     |    | Source: E404241-03                    |        | Prepared: 04/24/24 Analyzed: 04/24/24 |    |  |
| Chloride                        | 263 | 20.0 | 250 | ND | 105                                   | 80-120 |                                       |    |  |
| Matrix Spike Dup (2417045-MSD1) |     |      |     |    | Source: E404241-03                    |        | Prepared: 04/24/24 Analyzed: 04/24/24 |    |  |
| Chloride                        | 264 | 20.0 | 250 | ND | 106                                   | 80-120 | 0.527                                 | 20 |  |

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



Definitions and Notes

|                              |                  |                       |                |
|------------------------------|------------------|-----------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South ROW |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-C-0001          | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo       | 04/29/24 13:23 |

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

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

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



## Project Information

## Chain of Custody

Page 1 of 1

|                                      |              |        |                   |           |                                                                                                                                          |  |                         |              |             |             |                |          |          |         |       |          |             |      |
|--------------------------------------|--------------|--------|-------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--------------|-------------|-------------|----------------|----------|----------|---------|-------|----------|-------------|------|
| Client: Matador Production Company   |              |        |                   |           | <b>Bill To</b><br>Attention: Ensolum LLC<br>Address: on file<br>City, State, Zip:<br>Phone: 575-988-0055<br>Email: agiovengo@ensolum.com |  | Lab Use Only            |              |             |             |                |          | TAT      |         |       |          | EPA Program |      |
| Project: Dagger Lake South ROW       |              |        |                   |           |                                                                                                                                          |  | Lab WO#                 | Job Number   |             |             |                |          | 1D       | 2D      | 3D    | Standard | CWA         | SDWA |
| Project Manager: Ashley Giovengo     |              |        |                   |           |                                                                                                                                          |  | E 404241 23003-C-001    |              |             |             |                |          |          |         | X     |          |             |      |
| Address: 3122 National Parks Hwy     |              |        |                   |           |                                                                                                                                          |  | Analysis and Method     |              |             |             |                |          |          |         |       |          |             | RCRA |
| City, State, Zip: Carlsbad NM, 88220 |              |        |                   |           |                                                                                                                                          |  | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | TCEQ TPH | BGDOC NM | GDOC TX | State |          |             |      |
| Phone: 575-988-0055                  |              |        |                   |           |                                                                                                                                          |  |                         |              |             |             |                |          |          | NM      | CO    | UT       | AZ          | TX   |
| Email: agiovengo@ensolum.com         |              |        |                   |           |                                                                                                                                          |  |                         |              |             |             |                |          |          | X       |       |          |             |      |
| Report due by:                       |              |        |                   |           |                                                                                                                                          |  |                         |              |             |             |                |          |          | Remarks |       |          |             |      |
| Time Sampled                         | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number                                                                                                                               |  |                         |              |             |             |                |          |          |         |       |          |             |      |
| 10:58                                | 4/22/2024    | S      | 1                 | SS01 - 0' | 1                                                                                                                                        |  |                         |              |             |             |                |          |          | X       |       |          |             |      |
| 11:09                                | 4/22/2024    | S      | 1                 | SS02 - 0' | 2                                                                                                                                        |  |                         |              |             |             |                |          |          | X       |       |          |             |      |
| 11:13                                | 4/22/2024    | S      | 1                 | SS03 - 0' | 3                                                                                                                                        |  |                         |              |             |             |                |          |          | X       |       |          |             |      |
| 11:18                                | 4/22/2024    | S      | 1                 | SS04 - 0' | 4                                                                                                                                        |  |                         |              |             |             |                |          |          | X       |       |          |             |      |
| 11:22                                | 4/22/2024    | S      | 1                 | SS05 - 0' | 5                                                                                                                                        |  |                         |              |             |             |                |          |          | X       |       |          |             |      |
| 11:25                                | 4/22/2024    | S      | 1                 | SS06 - 0' | 6                                                                                                                                        |  |                         |              |             |             |                |          |          | X       |       |          |             |      |
| 11:28                                | 4/22/2024    | S      | 1                 | SS07 - 0' | 7                                                                                                                                        |  |                         |              |             |             |                |          |          | X       |       |          |             |      |
| 11:33                                | 4/22/2024    | S      | 1                 | SS08 - 0' | 8                                                                                                                                        |  |                         |              |             |             |                |          |          | X       |       |          |             |      |
| 11:37                                | 4/22/2024    | S      | 1                 | SS09 - 0' | 9                                                                                                                                        |  |                         |              |             |             |                |          |          | X       |       |          |             |      |

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

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

Sampled by: Chad Hamilton

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

|                              |         |      |                          |         |      |                                                                                                                                                         |
|------------------------------|---------|------|--------------------------|---------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relinquished by: (Signature) | Date    | Time | Received by: (Signature) | Date    | Time | Lab Use Only<br>Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |
|                              | 4/23/24 | 1015 | Michelle Gonzales        | 4-23-24 | 1015 |                                                                                                                                                         |
| Relinquished by: (Signature) | Date    | Time | Received by: (Signature) | Date    | Time |                                                                                                                                                         |
|                              | 4-23-24 | 1619 |                          | 4-23-24 | 1800 |                                                                                                                                                         |
| Relinquished by: (Signature) | Date    | Time | Received by: (Signature) | Date    | Time |                                                                                                                                                         |
|                              | 4-23-24 | 2400 |                          | 4-24-24 | 0500 |                                                                                                                                                         |

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



envirotech

## Envirotech Analytical Laboratory

Printed: 4/24/2024 11:27:50AM

## 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.  
 Phone: (972) 371-5200  
 Email: agiovnngo@ensolum.com

Date Received: 04/24/24 05:00  
 Date Logged In: 04/23/24 16:14  
 Due Date: 04/30/24 17:00 (4 day TAT)

Work Order ID: E404241  
 Logged In By: Alexa Michaels

Chain of Custody (COC)

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

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

Carrier: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

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

Date

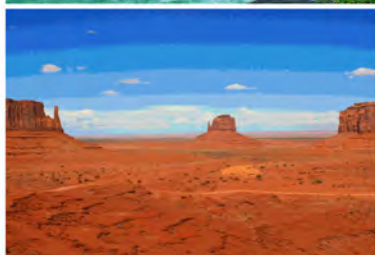


envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Work Order: E405200

Job Number: 23003-0002

Received: 5/15/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/22/24

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: 5/22/24



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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Workorder: E405200  
Date Received: 5/15/2024 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/15/2024 9:00:00AM, under the Project Name: Dagger Lake South Slot 1 ROW to Slot 2.

The analytical test results summarized in this report with the Project Name: Dagger Lake South Slot 1 ROW to Slot 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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**Alexa Michaels**  
Sample Custody Officer  
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[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Dagger Lake South Slot 1 ROW to Slot 2

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

05/22/24 13:13

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| BH01-0'          | E405200-01A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH01-2'          | E405200-02A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH01-4'          | E405200-03A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH01-6.5'        | E405200-04A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH02-0'          | E405200-05A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH02-2'          | E405200-06A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH02-4'          | E405200-07A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH02-6.5'        | E405200-08A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH03-0'          | E405200-09A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH03-1'          | E405200-10A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH04-0'          | E405200-11A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH04-3'          | E405200-12A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH04-5'          | E405200-13A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH05-0'          | E405200-14A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH05-2'          | E405200-15A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH05-4'          | E405200-16A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH05-6'          | E405200-17A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |
| BH05-8.5'        | E405200-18A   | Soil   | 05/13/24 | 05/15/24 | Glass Jar, 2 oz. |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/22/2024 1:13:07PM

BH01-0'

E405200-01

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.2 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.2 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | 79.6   | 25.0            | 1        | 05/17/24     | 05/20/24 |                |
| Oil Range Organics (C28-C36)                          | 65.1   | 50.0            | 1        | 05/17/24     | 05/20/24 |                |
| Surrogate: n-Nonane                                   |        | 105 %           | 50-200   | 05/17/24     | 05/20/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 4040   | 40.0            | 2        | 05/18/24     | 05/19/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/22/2024 1:13:07PM

## BH01-2'

## E405200-02

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 110 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.8 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 110 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.8 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/20/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/20/24 |                |
| Surrogate: n-Nonane                                   |        | 92.5 %          | 50-200   | 05/17/24     | 05/20/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 9730   | 200             | 10       | 05/18/24     | 05/19/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/22/2024 1:13:07PM

BH01-4'

E405200-03

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.3 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.3 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/20/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/20/24 |                |
| Surrogate: n-Nonane                                   |        | 97.9 %          | 50-200   | 05/17/24     | 05/20/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 8000   | 200             | 10       | 05/18/24     | 05/19/24 |                |





## Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>5/22/2024 1:13:07PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

BH01-6.5'

E405200-04

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.0 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.0 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/20/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/20/24 |                |
| Surrogate: n-Nonane                                   |        | 101 %           | 50-200   | 05/17/24     | 05/20/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 5610   | 40.0            | 2        | 05/18/24     | 05/19/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/22/2024 1:13:07PM

**BH02-0'**  
**E405200-05**

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 111 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.8 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 111 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.8 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | 69.2   | 25.0            | 1        | 05/17/24     | 05/20/24 |                |
| Oil Range Organics (C28-C36)                          | 60.3   | 50.0            | 1        | 05/17/24     | 05/20/24 |                |
| Surrogate: n-Nonane                                   |        | 109 %           | 50-200   | 05/17/24     | 05/20/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 4260   | 40.0            | 2        | 05/18/24     | 05/19/24 |                |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>5/22/2024 1:13:07PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

BH02-2'

E405200-06

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 110 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.9 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 110 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.9 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/20/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/20/24 |                |
| Surrogate: n-Nonane                                   |        | 96.8 %          | 50-200   | 05/17/24     | 05/20/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 3980   | 40.0            | 2        | 05/18/24     | 05/19/24 |                |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>5/22/2024 1:13:07PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

BH02-4'

E405200-07

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.8 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.8 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/20/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/20/24 |                |
| Surrogate: n-Nonane                                   |        | 93.8 %          | 50-200   | 05/17/24     | 05/20/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 5820   | 100             | 5        | 05/18/24     | 05/19/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/22/2024 1:13:07PM

BH02-6.5'

E405200-08

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.8 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.8 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/20/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/20/24 |                |
| Surrogate: n-Nonane                                   |        | 98.0 %          | 50-200   | 05/17/24     | 05/20/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 3010   | 40.0            | 2        | 05/18/24     | 05/19/24 |                |





Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>5/22/2024 1:13:07PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

BH03-0'

E405200-09

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2420150 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 05/16/24 | 05/20/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 05/16/24 | 05/20/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 05/16/24 | 05/20/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 05/16/24 | 05/20/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 05/16/24 | 05/20/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 05/16/24 | 05/20/24       |       |
| Surrogate: Bromofluorobenzene                         |        | 107 %           | 70-130       | 05/16/24 | 05/20/24       |       |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.6 %          | 70-130       | 05/16/24 | 05/20/24       |       |
| Surrogate: Toluene-d8                                 |        | 110 %           | 70-130       | 05/16/24 | 05/20/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2420150 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 05/16/24 | 05/20/24       |       |
| Surrogate: Bromofluorobenzene                         |        | 107 %           | 70-130       | 05/16/24 | 05/20/24       |       |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.6 %          | 70-130       | 05/16/24 | 05/20/24       |       |
| Surrogate: Toluene-d8                                 |        | 110 %           | 70-130       | 05/16/24 | 05/20/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: KM  |          | Batch: 2420175 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 05/17/24 | 05/20/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 05/17/24 | 05/20/24       |       |
| Surrogate: n-Nonane                                   |        | 102 %           | 50-200       | 05/17/24 | 05/20/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY  |          | Batch: 2420196 |       |
| Chloride                                              | 2420   | 40.0            | 2            | 05/18/24 | 05/19/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/22/2024 1:13:07PM

BH03-1'

E405200-10

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.0 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.0 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/20/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/20/24 |                |
| Surrogate: n-Nonane                                   |        | 102 %           | 50-200   | 05/17/24     | 05/20/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 27.7   | 20.0            | 1        | 05/18/24     | 05/19/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/22/2024 1:13:07PM

BH04-0'

E405200-11

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.9 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 106 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.9 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/21/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/21/24 |                |
| Surrogate: n-Nonane                                   |        | 99.5 %          | 50-200   | 05/17/24     | 05/21/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 2040   | 20.0            | 1        | 05/18/24     | 05/19/24 |                |



## Sample Data

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Project Number: 23003-0002

Project Manager: Ashley Giovengo

Reported:

5/22/2024 1:13:07PM

BH04-3'

E405200-12

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.4 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.4 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/21/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/21/24 |                |
| Surrogate: n-Nonane                                   |        | 90.4 %          | 50-200   | 05/17/24     | 05/21/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 2430   | 40.0            | 2        | 05/18/24     | 05/19/24 |                |



## Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>5/22/2024 1:13:07PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

## BH04-5'

## E405200-13

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.1 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.1 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/21/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/21/24 |                |
| Surrogate: n-Nonane                                   |        | 92.2 %          | 50-200   | 05/17/24     | 05/21/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 448    | 20.0            | 1        | 05/18/24     | 05/19/24 |                |





Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>5/22/2024 1:13:07PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

BH05-0'

E405200-14

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.5 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.5 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | 1490   | 50.0            | 2        | 05/17/24     | 05/21/24 |                |
| Oil Range Organics (C28-C36)                          | 874    | 100             | 2        | 05/17/24     | 05/21/24 |                |
| Surrogate: n-Nonane                                   |        | 105 %           | 50-200   | 05/17/24     | 05/21/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 8130   | 200             | 10       | 05/18/24     | 05/19/24 |                |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>5/22/2024 1:13:07PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

BH05-2'

E405200-15

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.4 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 105 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.4 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 105 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/21/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/21/24 |                |
| Surrogate: n-Nonane                                   |        | 97.8 %          | 50-200   | 05/17/24     | 05/21/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 5290   | 100             | 5        | 05/18/24     | 05/19/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/22/2024 1:13:07PM

BH05-4'

E405200-16

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.4 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 105 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 109 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.4 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 105 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/21/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/21/24 |                |
| Surrogate: n-Nonane                                   |        | 86.7 %          | 50-200   | 05/17/24     | 05/21/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 8060   | 200             | 10       | 05/18/24     | 05/19/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/22/2024 1:13:07PM

BH05-6'

E405200-17

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 111 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 101 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 104 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 111 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 101 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 104 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 05/17/24     | 05/21/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/21/24 |                |
| Surrogate: n-Nonane                                   |        | 95.4 %          | 50-200   | 05/17/24     | 05/21/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 5210   | 40.0            | 2        | 05/18/24     | 05/19/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
5/22/2024 1:13:07PM

BH05-8.5'

E405200-18

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Benzene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 05/16/24     | 05/20/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.9 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 104 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2420150 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 05/16/24     | 05/20/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 108 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.9 %          | 70-130   | 05/16/24     | 05/20/24 |                |
| Surrogate: Toluene-d8                                 |        | 104 %           | 70-130   | 05/16/24     | 05/20/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: KM  |          | Batch: 2420175 |
| Diesel Range Organics (C10-C28)                       | 32.5   | 25.0            | 1        | 05/17/24     | 05/21/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 05/17/24     | 05/21/24 |                |
| Surrogate: n-Nonane                                   |        | 101 %           | 50-200   | 05/17/24     | 05/21/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY  |          | Batch: 2420196 |
| Chloride                                              | 3920   | 40.0            | 2        | 05/18/24     | 05/19/24 |                |





## QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 5/22/2024 1:13:07PM |

## Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

## Blank (2420150-BLK1)

Prepared: 05/16/24 Analyzed: 05/20/24

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| 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    | 0.529 |        | 0.500 |  | 106  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.487 |        | 0.500 |  | 97.3 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.531 |        | 0.500 |  | 106  | 70-130 |  |  |  |

## LCS (2420150-BS1)

Prepared: 05/16/24 Analyzed: 05/20/24

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene                          | 2.40  | 0.0250 | 2.50  |  | 96.0 | 70-130 |  |  |  |
| Ethylbenzene                     | 2.55  | 0.0250 | 2.50  |  | 102  | 70-130 |  |  |  |
| Toluene                          | 2.45  | 0.0250 | 2.50  |  | 98.1 | 70-130 |  |  |  |
| o-Xylene                         | 2.61  | 0.0250 | 2.50  |  | 104  | 70-130 |  |  |  |
| p,m-Xylene                       | 5.34  | 0.0500 | 5.00  |  | 107  | 70-130 |  |  |  |
| Total Xylenes                    | 7.95  | 0.0250 | 7.50  |  | 106  | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.522 |        | 0.500 |  | 104  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.471 |        | 0.500 |  | 94.2 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.539 |        | 0.500 |  | 108  | 70-130 |  |  |  |

## LCS Dup (2420150-BSD1)

Prepared: 05/16/24 Analyzed: 05/20/24

|                                  |       |        |       |  |      |        |      |    |  |
|----------------------------------|-------|--------|-------|--|------|--------|------|----|--|
| Benzene                          | 2.56  | 0.0250 | 2.50  |  | 102  | 70-130 | 6.26 | 23 |  |
| Ethylbenzene                     | 2.74  | 0.0250 | 2.50  |  | 110  | 70-130 | 7.45 | 27 |  |
| Toluene                          | 2.63  | 0.0250 | 2.50  |  | 105  | 70-130 | 6.97 | 24 |  |
| o-Xylene                         | 2.84  | 0.0250 | 2.50  |  | 114  | 70-130 | 8.35 | 27 |  |
| p,m-Xylene                       | 5.75  | 0.0500 | 5.00  |  | 115  | 70-130 | 7.41 | 27 |  |
| Total Xylenes                    | 8.59  | 0.0250 | 7.50  |  | 114  | 70-130 | 7.72 | 27 |  |
| Surrogate: Bromofluorobenzene    | 0.523 |        | 0.500 |  | 105  | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.468 |        | 0.500 |  | 93.6 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.534 |        | 0.500 |  | 107  | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 5/22/2024 1:13:07PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>%<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|---------------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|---------------|--------------------|----------|-------------------|-------|

Blank (2420150-BLK1) Prepared: 05/16/24 Analyzed: 05/20/24

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND    | 20.0 |       |  |      |        |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.529 |      | 0.500 |  | 106  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.487 |      | 0.500 |  | 97.3 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.531 |      | 0.500 |  | 106  | 70-130 |  |  |  |

LCS (2420150-BS2) Prepared: 05/16/24 Analyzed: 05/20/24

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 48.0  | 20.0 | 50.0  |  | 96.0 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.551 |      | 0.500 |  | 110  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.482 |      | 0.500 |  | 96.4 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.535 |      | 0.500 |  | 107  | 70-130 |  |  |  |

LCS Dup (2420150-BSD2) Prepared: 05/16/24 Analyzed: 05/20/24

|                                  |       |      |       |  |      |        |      |    |  |
|----------------------------------|-------|------|-------|--|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 47.2  | 20.0 | 50.0  |  | 94.4 | 70-130 | 1.72 | 20 |  |
| Surrogate: Bromofluorobenzene    | 0.540 |      | 0.500 |  | 108  | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.473 |      | 0.500 |  | 94.6 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.530 |      | 0.500 |  | 106  | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 5/22/2024 1:13:07PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2420175-BLK1) Prepared: 05/17/24 Analyzed: 05/20/24

|                                 |      |      |      |  |     |        |  |  |  |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |     |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |     |        |  |  |  |
| Surrogate: n-Nonane             | 55.4 |      | 50.0 |  | 111 | 50-200 |  |  |  |

LCS (2420175-BS1) Prepared: 05/17/24 Analyzed: 05/20/24

|                                 |      |      |      |  |     |        |  |  |  |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 305  | 25.0 | 250  |  | 122 | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 54.3 |      | 50.0 |  | 109 | 50-200 |  |  |  |

LCS Dup (2420175-BSD1) Prepared: 05/17/24 Analyzed: 05/20/24

|                                 |      |      |      |  |     |        |      |    |  |
|---------------------------------|------|------|------|--|-----|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 297  | 25.0 | 250  |  | 119 | 38-132 | 2.42 | 20 |  |
| Surrogate: n-Nonane             | 55.5 |      | 50.0 |  | 111 | 50-200 |      |    |  |



QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 5/22/2024 1:13:07PM |

Anions by EPA 300.0/9056A

Analyst: IY

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                        |     |      |     |  |                                       |        |       |    |  |
|------------------------|-----|------|-----|--|---------------------------------------|--------|-------|----|--|
| Blank (2420196-BLK1)   |     |      |     |  | Prepared: 05/18/24 Analyzed: 05/19/24 |        |       |    |  |
| Chloride               | ND  | 20.0 |     |  |                                       |        |       |    |  |
| LCS (2420196-BS1)      |     |      |     |  | Prepared: 05/18/24 Analyzed: 05/19/24 |        |       |    |  |
| Chloride               | 254 | 20.0 | 250 |  | 102                                   | 90-110 |       |    |  |
| LCS Dup (2420196-BSD1) |     |      |     |  | Prepared: 05/18/24 Analyzed: 05/19/24 |        |       |    |  |
| Chloride               | 255 | 20.0 | 250 |  | 102                                   | 90-110 | 0.457 | 20 |  |

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



Definitions and Notes

|                              |                  |                                        |                |
|------------------------------|------------------|----------------------------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 05/22/24 13:13 |

- 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: 2/25/2025 9:33:15 AM

|                                                                                                                                                                                                                                                                                                                                                                                                       |              |         |                   |                          |                              |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|-------------------|--------------------------|------------------------------|---------|-------------------------|-----------------------------------------------------------------------------|-------------|-------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------|-------------|---------|----|----|--|--|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |         |                   |                          | Bill To                      |         | Lab Use Only            |                                                                             |             |             |                | TAT                                                                                                                                                                             |          |         |          | EPA Program |         |    |    |  |  |
| Project: Dagger Lake South Slot 1 ROW to Slot 2                                                                                                                                                                                                                                                                                                                                                       |              |         |                   |                          | Attention: Ensolum LLC       |         | Lab WO#                 |                                                                             | Job Number  |             |                | 1D                                                                                                                                                                              | 2D       | 3D      | Standard | CWA         | SDWA    |    |    |  |  |
| Project Manager: Ashley Giovengo                                                                                                                                                                                                                                                                                                                                                                      |              |         |                   |                          | Address: on file             |         | E405200                 |                                                                             | 230030002   |             |                |                                                                                                                                                                                 |          |         | X        |             |         |    |    |  |  |
| Address: 3122 National Parks Hwy                                                                                                                                                                                                                                                                                                                                                                      |              |         |                   |                          | City, State, Zip:            |         | Analysis and Method     |                                                                             |             |             |                |                                                                                                                                                                                 |          |         |          |             | RCRA    |    |    |  |  |
| City, State, Zip: Carlsbad NM, 88220                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   |                          | Phone: 575-988-0055          |         | TPH GRO/DRO/ORO by 8015 | BTX by 8021                                                                 | VOC by 8260 | Metals 6010 | Chloride 300.0 | TCEQ TPH                                                                                                                                                                        | BGDOC NM | GDOC TX | State    |             |         |    |    |  |  |
| Phone: 575-988-0055                                                                                                                                                                                                                                                                                                                                                                                   |              |         |                   |                          | Email: agiovengo@ensolum.com |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 |          |         | NM       | CO          | UT      | AZ | TX |  |  |
| Email: agiovengo@ensolum.com                                                                                                                                                                                                                                                                                                                                                                          |              |         |                   |                          |                              |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 |          |         |          |             | Remarks |    |    |  |  |
| Report due by:                                                                                                                                                                                                                                                                                                                                                                                        |              |         |                   |                          |                              |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
| Time Sampled                                                                                                                                                                                                                                                                                                                                                                                          | Date Sampled | Matrix  | No. of Containers | Sample ID                | Lab Number                   |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
| 1113                                                                                                                                                                                                                                                                                                                                                                                                  | 5/13/24      | Soil    | 1                 | BH01-0'                  | 1                            |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 | X        |         |          |             |         |    |    |  |  |
| 1225                                                                                                                                                                                                                                                                                                                                                                                                  | ↓            | ↓       | ↓                 | BH01-2'                  | 2                            |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 | X        |         |          |             |         |    |    |  |  |
| 1315                                                                                                                                                                                                                                                                                                                                                                                                  | ↓            | ↓       | ↓                 | BH01-4'                  | 3                            |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 | X        |         |          |             |         |    |    |  |  |
| 1406                                                                                                                                                                                                                                                                                                                                                                                                  | ↓            | ↓       | ↓                 | BH01-6.5'                | 4                            |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 | X        |         |          |             |         |    |    |  |  |
| 1117.                                                                                                                                                                                                                                                                                                                                                                                                 | ↓            | ↓       | ↓                 | BH02-0'                  | 5                            |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 | X        |         |          |             |         |    |    |  |  |
| 1230                                                                                                                                                                                                                                                                                                                                                                                                  | ↓            | ↓       | ↓                 | BH02-2'                  | 6                            |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 | X        |         |          |             |         |    |    |  |  |
| 1321                                                                                                                                                                                                                                                                                                                                                                                                  | ↓            | ↓       | ↓                 | BH02-4'                  | 7                            |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 | X        |         |          |             |         |    |    |  |  |
| 1411                                                                                                                                                                                                                                                                                                                                                                                                  | ↓            | ↓       | ↓                 | BH02-6.5'                | 8                            |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 | X        |         |          |             |         |    |    |  |  |
| 1122                                                                                                                                                                                                                                                                                                                                                                                                  | ↓            | ↓       | ↓                 | BH03-0'                  | 9                            |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 | X        |         |          |             |         |    |    |  |  |
| 1126                                                                                                                                                                                                                                                                                                                                                                                                  | ↓            | ↓       | ↓                 | BH03-1'                  | 10                           |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 | X        |         |          |             |         |    |    |  |  |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com                                                                                                                                                                                                                                                                          |              |         |                   |                          |                              |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.                                                                                                                                                     |              |         |                   |                          |                              |         |                         |                                                                             |             |             |                | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. |          |         |          |             |         |    |    |  |  |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date    | Time              | Received by: (Signature) |                              | Date    | Time                    | Lab Use Only                                                                |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              | 5/14/24 | 8:35              |                          |                              | 5/14/24 | 7:25                    | Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date    | Time              | Received by: (Signature) |                              | Date    | Time                    | T1 _____ T2 _____ T3 _____                                                  |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              | 5.14.24 | 1815              |                          |                              | 5.14.24 | 1815                    |                                                                             |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date    | Time              | Received by: (Signature) |                              | Date    | Time                    | AVG Temp °C                                                                 |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              | 5.14.24 | 2400              |                          |                              | 5/15/24 | 900                     | 4                                                                           |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____                                                                                                                                                                                                                                                                                                                        |              |         |                   |                          |                              |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
| Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA                                                                                                                                                                                                                                                                                                                                |              |         |                   |                          |                              |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |
| Note: Samples are discarded 30 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. |              |         |                   |                          |                              |         |                         |                                                                             |             |             |                |                                                                                                                                                                                 |          |         |          |             |         |    |    |  |  |

|                                                        |  |                                     |  |                                |                     |                    |                    |                       |                 |                 |                 |                    |             |             |           |           |
|--------------------------------------------------------|--|-------------------------------------|--|--------------------------------|---------------------|--------------------|--------------------|-----------------------|-----------------|-----------------|-----------------|--------------------|-------------|-------------|-----------|-----------|
| <b>Client:</b> Matador Production Company              |  | <b>Bill To</b>                      |  | <b>Lab Use Only</b>            |                     |                    |                    | <b>TAT</b>            |                 |                 |                 | <b>EPA Program</b> |             |             |           |           |
| <b>Project:</b> Dagger Lake South Slot 1 ROW to Slot 2 |  | <b>Attention:</b> Ensolum LLC       |  | <b>Lab WO#</b>                 |                     | <b>Job Number</b>  |                    | <b>1D</b>             | <b>2D</b>       | <b>3D</b>       | <b>Standard</b> | <b>CWA</b>         | <b>SDWA</b> |             |           |           |
| <b>Project Manager:</b> Ashley Giovengo                |  | <b>Address:</b> on file             |  | <b>E 405200</b>                |                     | <b>230530002</b>   |                    |                       |                 |                 | X               |                    |             |             |           |           |
| <b>Address:</b> 3122 National Parks Hwy                |  | <b>City, State, Zip:</b>            |  | <b>Analysis and Method</b>     |                     |                    |                    |                       |                 |                 |                 |                    |             | <b>RCRA</b> |           |           |
| <b>City, State, Zip:</b> Carlsbad NM, 88220            |  | <b>Phone:</b> 575-988-0055          |  | <b>TPH GRO/DRO/ORO by 8015</b> | <b>BTEX by 8021</b> | <b>VOC by 8260</b> | <b>Metals 6010</b> | <b>Chloride 300.0</b> | <b>TCEQ TPH</b> | <b>BGDOC NM</b> | <b>GDOC TX</b>  | <b>State</b>       |             |             |           |           |
| <b>Phone:</b> 575-988-0055                             |  | <b>Email:</b> agiovengo@ensolum.com |  |                                |                     |                    |                    |                       |                 |                 |                 | <b>NM</b>          | <b>CO</b>   | <b>UT</b>   | <b>AZ</b> | <b>TX</b> |
| <b>Email:</b> agiovengo@ensolum.com                    |  | <b>Report due by:</b>               |  |                                |                     |                    |                    |                       |                 |                 |                 | X                  |             |             |           |           |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | TCEQ TPH | BGDOC NM | GDOC TX | Remarks |
|--------------|--------------|--------|-------------------|-----------|------------|-------------------------|--------------|-------------|-------------|----------------|----------|----------|---------|---------|
| 1128         | 5/13/24      | Soil   | 1                 | BH04-0'   | 11         |                         |              |             |             |                |          | X        |         |         |
| 1240         |              |        |                   | BH04-3'   | 12         |                         |              |             |             |                |          | X        |         |         |
| 1324         |              |        |                   | BH04-5'   | 13         |                         |              |             |             |                |          | X        |         |         |
| 1133         |              |        |                   | BH05-0'   | 14         |                         |              |             |             |                |          | X        |         |         |
| 1243         |              |        |                   | BH05-2'   | 15         |                         |              |             |             |                |          | X        |         |         |
| 1333         |              |        |                   | BH05-4'   | 16         |                         |              |             |             |                |          | X        |         |         |
| 1417         |              |        |                   | BH05-6'   | 17         |                         |              |             |             |                |          | X        |         |         |
| 1515         |              |        |                   | BH05-8.5' | 18         |                         |              |             |             |                |          | X        |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |          |         |         |
|              |              |        |                   |           |            |                         |              |             |             |                |          |          |         |         |

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

|                                                                                                                                                                                                                                                                                                                                                                                                       |  |         |      |                          |  |                                                                                                                                                                                 |      |                                                                               |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|------|--------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------|--|--|--|
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.                                                                                                                                                     |  |         |      |                          |  | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. |      |                                                                               |  |  |  |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |  | Date    | Time | Received by: (Signature) |  | Date                                                                                                                                                                            | Time | Lab Use Only                                                                  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       |  | 5/14/24 | 8:35 |                          |  | 5-14-24                                                                                                                                                                         | 1215 | Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N |  |  |  |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |  | Date    | Time | Received by: (Signature) |  | Date                                                                                                                                                                            | Time | T1 _____ T2 _____ T3 _____                                                    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       |  | 5-14-24 | 1815 |                          |  | 5-14-24                                                                                                                                                                         | 1815 |                                                                               |  |  |  |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |  | Date    | Time | Received by: (Signature) |  | Date                                                                                                                                                                            | Time | AVG Temp °C                                                                   |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                       |  | 5-14-24 | 2400 |                          |  | 5/15/24                                                                                                                                                                         | 900  | 4                                                                             |  |  |  |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____                                                                                                                                                                                                                                                                                                                        |  |         |      |                          |  |                                                                                                                                                                                 |      | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA        |  |  |  |
| Note: Samples are discarded 30 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: 5/16/2024 1:20:07PM

## 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:  | 05/15/24 09:00             | Work Order ID: | E405200        |
| Phone:  | (972) 371-5200          | Date Logged In: | 05/14/24 18:36             | Logged In By:  | Alexa Michaels |
| Email:  | agiovngo@ensolum.com    | Due Date:       | 05/21/24 17:00 (4 day TAT) |                |                |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Work Order: E407008

Job Number: 23003-0002

Received: 7/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/8/24

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: 7/8/24

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



Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Workorder: E407008  
Date Received: 7/2/2024 10:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/2/2024 10:00:00AM, under the Project Name: Dagger Lake South Slot 1 ROW to Slot 2.

The analytical test results summarized in this report with the Project Name: Dagger Lake South Slot 1 ROW to Slot 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Office: 505-421-LABS(5227)  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

|                                                                             |                                                                                                                        |                             |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>07/08/24 11:50 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| BH01@8'          | E407008-01A   | Soil   | 06/28/24 | 07/02/24 | Glass Jar, 2 oz. |
| BH01@10'         | E407008-02A   | Soil   | 06/28/24 | 07/02/24 | Glass Jar, 2 oz. |
| BH01@14'         | E407008-03A   | Soil   | 06/28/24 | 07/02/24 | Glass Jar, 2 oz. |
| BH02@10'         | E407008-04A   | Soil   | 06/28/24 | 07/02/24 | Glass Jar, 2 oz. |
| BH05@10'         | E407008-05A   | Soil   | 06/28/24 | 07/02/24 | Glass Jar, 2 oz. |
| BH05@14'         | E407008-06A   | Soil   | 06/28/24 | 07/02/24 | Glass Jar, 2 oz. |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>7/8/2024 11:50:30AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

BH01@8'  
E407008-01

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 07/02/24 | 07/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 91.0 % | 70-130          |             | 07/02/24 | 07/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 07/02/24 | 07/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 107 %  | 70-130          |             | 07/02/24 | 07/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2427026 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 07/02/24 | 07/02/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 07/02/24 | 07/02/24       |       |
| Surrogate: n-Nonane                                   | 90.8 % | 50-200          |             | 07/02/24 | 07/02/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2427027 |       |
| Chloride                                              | 4380   | 40.0            | 2           | 07/02/24 | 07/02/24       |       |

Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>7/8/2024 11:50:30AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

BH01@10'  
E407008-02

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 07/02/24 | 07/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 92.2 % | 70-130          |             | 07/02/24 | 07/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 07/02/24 | 07/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 107 %  | 70-130          |             | 07/02/24 | 07/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2427026 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 07/02/24 | 07/02/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 07/02/24 | 07/02/24       |       |
| Surrogate: n-Nonane                                   | 86.0 % | 50-200          |             | 07/02/24 | 07/02/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2427027 |       |
| Chloride                                              | 4160   | 40.0            | 2           | 07/02/24 | 07/02/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>7/8/2024 11:50:30AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

BH01@14'  
E407008-03

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 07/02/24 | 07/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 07/02/24 | 07/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 92.9 % | 70-130          |             | 07/02/24 | 07/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 07/02/24 | 07/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 106 %  | 70-130          |             | 07/02/24 | 07/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2427026 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 07/02/24 | 07/02/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 07/02/24 | 07/02/24       |       |
| Surrogate: n-Nonane                                   | 88.8 % | 50-200          |             | 07/02/24 | 07/02/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2427027 |       |
| Chloride                                              | 3880   | 40.0            | 2           | 07/02/24 | 07/02/24       |       |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/8/2024 11:50:30AM

BH02@10'

E407008-04

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 07/02/24 | 07/03/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 91.7 %          | 70-130      | 07/02/24 | 07/03/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 07/02/24 | 07/03/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 108 %           | 70-130      | 07/02/24 | 07/03/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2427026 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 07/02/24 | 07/02/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 07/02/24 | 07/02/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 87.0 %          | 50-200      | 07/02/24 | 07/02/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2427027 |       |
| Chloride                                              | ND     | 20.0            | 1           | 07/02/24 | 07/02/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/8/2024 11:50:30AM

BH05@10'

E407008-05

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 07/02/24 | 07/03/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       | 90.8 % | 70-130          |             | 07/02/24 | 07/03/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 07/02/24 | 07/03/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       | 107 %  | 70-130          |             | 07/02/24 | 07/03/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2427026 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 07/02/24 | 07/02/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 07/02/24 | 07/02/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       | 94.9 % | 50-200          |             | 07/02/24 | 07/02/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2427027 |       |
| Chloride                                              | 4930   | 40.0            | 2           | 07/02/24 | 07/02/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>7/8/2024 11:50:30AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

BH05@14'  
E407008-06

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 07/02/24 | 07/03/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 07/02/24 | 07/03/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 91.6 % | 70-130          |             | 07/02/24 | 07/03/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2427024 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 07/02/24 | 07/03/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 107 %  | 70-130          |             | 07/02/24 | 07/03/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: KH |          | Batch: 2427026 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 07/02/24 | 07/02/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 07/02/24 | 07/02/24       |       |
| Surrogate: n-Nonane                                   | 90.2 % | 50-200          |             | 07/02/24 | 07/02/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2427027 |       |
| Chloride                                              | 4810   | 40.0            | 2           | 07/02/24 | 07/02/24       |       |



QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 7/8/2024 11:50:30AM |

Volatile Organics by EPA 8021B

Analyst: BA

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2427024-BLK1) Prepared: 07/02/24 Analyzed: 07/02/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 | 7.36 |        | 8.00 |  | 92.0 | 70-130 |  |  |  |

LCS (2427024-BS1) Prepared: 07/02/24 Analyzed: 07/02/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.84 | 0.0250 | 5.00 |  | 96.8 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.74 | 0.0250 | 5.00 |  | 94.8 | 70-130 |  |  |  |
| Toluene                             | 4.91 | 0.0250 | 5.00 |  | 98.2 | 70-130 |  |  |  |
| o-Xylene                            | 4.87 | 0.0250 | 5.00 |  | 97.4 | 70-130 |  |  |  |
| p,m-Xylene                          | 9.77 | 0.0500 | 10.0 |  | 97.7 | 70-130 |  |  |  |
| Total Xylenes                       | 14.6 | 0.0250 | 15.0 |  | 97.6 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.52 |        | 8.00 |  | 93.9 | 70-130 |  |  |  |

Matrix Spike (2427024-MS1) Source: E407008-03 Prepared: 07/02/24 Analyzed: 07/02/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 4.59 | 0.0250 | 5.00 | ND | 91.8 | 54-133 |  |  |  |
| Ethylbenzene                        | 4.50 | 0.0250 | 5.00 | ND | 89.9 | 61-133 |  |  |  |
| Toluene                             | 4.66 | 0.0250 | 5.00 | ND | 93.2 | 61-130 |  |  |  |
| o-Xylene                            | 4.62 | 0.0250 | 5.00 | ND | 92.3 | 63-131 |  |  |  |
| p,m-Xylene                          | 9.27 | 0.0500 | 10.0 | ND | 92.7 | 63-131 |  |  |  |
| Total Xylenes                       | 13.9 | 0.0250 | 15.0 | ND | 92.6 | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.52 |        | 8.00 |    | 94.0 | 70-130 |  |  |  |

Matrix Spike Dup (2427024-MSD1) Source: E407008-03 Prepared: 07/02/24 Analyzed: 07/02/24

|                                     |      |        |      |    |      |        |      |    |  |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene                             | 4.90 | 0.0250 | 5.00 | ND | 97.9 | 54-133 | 6.40 | 20 |  |
| Ethylbenzene                        | 4.82 | 0.0250 | 5.00 | ND | 96.4 | 61-133 | 7.01 | 20 |  |
| Toluene                             | 4.98 | 0.0250 | 5.00 | ND | 99.6 | 61-130 | 6.68 | 20 |  |
| o-Xylene                            | 4.96 | 0.0250 | 5.00 | ND | 99.2 | 63-131 | 7.18 | 20 |  |
| p,m-Xylene                          | 9.93 | 0.0500 | 10.0 | ND | 99.3 | 63-131 | 6.87 | 20 |  |
| Total Xylenes                       | 14.9 | 0.0250 | 15.0 | ND | 99.3 | 63-131 | 6.97 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.49 |        | 8.00 |    | 93.6 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 7/8/2024 11:50:30AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2427024-BLK1) Prepared: 07/02/24 Analyzed: 07/02/24

|                                         |      |      |      |  |     |        |  |  |  |
|-----------------------------------------|------|------|------|--|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |     |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.56 |      | 8.00 |  | 107 | 70-130 |  |  |  |

LCS (2427024-BS2) Prepared: 07/02/24 Analyzed: 07/02/24

|                                         |      |      |      |  |     |        |  |  |  |
|-----------------------------------------|------|------|------|--|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 52.9 | 20.0 | 50.0 |  | 106 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.67 |      | 8.00 |  | 108 | 70-130 |  |  |  |

Matrix Spike (2427024-MS2) Source: E407008-03 Prepared: 07/02/24 Analyzed: 07/02/24

|                                         |      |      |      |    |     |        |  |  |  |
|-----------------------------------------|------|------|------|----|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 51.6 | 20.0 | 50.0 | ND | 103 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.61 |      | 8.00 |    | 108 | 70-130 |  |  |  |

Matrix Spike Dup (2427024-MSD2) Source: E407008-03 Prepared: 07/02/24 Analyzed: 07/02/24

|                                         |      |      |      |    |     |        |       |    |  |
|-----------------------------------------|------|------|------|----|-----|--------|-------|----|--|
| Gasoline Range Organics (C6-C10)        | 51.2 | 20.0 | 50.0 | ND | 102 | 70-130 | 0.719 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.65 |      | 8.00 |    | 108 | 70-130 |       |    |  |



QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 7/8/2024 11:50:30AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2427026-BLK1)            |      |      |      |  | Prepared: 07/02/24 Analyzed: 07/02/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 48.8 |      | 50.0 |  | 97.7                                  | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2427026-BS1)               |      |      |      |  | Prepared: 07/02/24 Analyzed: 07/02/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 267  | 25.0 | 250  |  | 107                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 43.2 |      | 50.0 |  | 86.4                                  | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2427026-MS1)      |      |      |      |    | Source: E407008-04 |        | Prepared: 07/02/24 Analyzed: 07/02/24 |  |  |
| Diesel Range Organics (C10-C28) | 272  | 25.0 | 250  | ND | 109                | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 45.7 |      | 50.0 |    | 91.4               | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2427026-MSD1) |      |      |      |    | Source: E407008-04 |        | Prepared: 07/02/24 Analyzed: 07/02/24 |    |  |
| Diesel Range Organics (C10-C28) | 280  | 25.0 | 250  | ND | 112                | 38-132 | 2.92                                  | 20 |  |
| Surrogate: n-Nonane             | 49.1 |      | 50.0 |    | 98.2               | 50-200 |                                       |    |  |





QC Summary Data

|                                                                             |                                                                                                                        |                                      |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br><br>7/8/2024 11:50:30AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------|

Anions by EPA 300.0/9056A

Analyst: JM

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                        |      |      |     |      |                                       |        |                                       |    |  |
|----------------------------------------|------|------|-----|------|---------------------------------------|--------|---------------------------------------|----|--|
| <b>Blank (2427027-BLK1)</b>            |      |      |     |      | Prepared: 07/02/24 Analyzed: 07/02/24 |        |                                       |    |  |
| Chloride                               | ND   | 20.0 |     |      |                                       |        |                                       |    |  |
| <b>LCS (2427027-BS1)</b>               |      |      |     |      | Prepared: 07/02/24 Analyzed: 07/02/24 |        |                                       |    |  |
| Chloride                               | 249  | 20.0 | 250 |      | 99.6                                  | 90-110 |                                       |    |  |
| <b>Matrix Spike (2427027-MS1)</b>      |      |      |     |      | <b>Source: E407008-03</b>             |        | Prepared: 07/02/24 Analyzed: 07/02/24 |    |  |
| Chloride                               | 4140 | 40.0 | 250 | 3880 | 106                                   | 80-120 |                                       |    |  |
| <b>Matrix Spike Dup (2427027-MSD1)</b> |      |      |     |      | <b>Source: E407008-03</b>             |        | Prepared: 07/02/24 Analyzed: 07/02/24 |    |  |
| Chloride                               | 4080 | 40.0 | 250 | 3880 | 81.4                                  | 80-120 | 1.50                                  | 20 |  |

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



Definitions and Notes

|                              |                  |                                        |                |
|------------------------------|------------------|----------------------------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 07/08/24 11:50 |

- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite
- DNR      Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



## Chain of Custody

Page 1 of 1

Received by OCD: 2/13/2025 10:34:39 AM

Page 16 of 17

| Client Information                                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   | Invoice Information                  |              | Lab Use Only        |                 | TAT                                                                                                                                                                                                                                                                                                                                       |              |             |                | State      |                |               |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|-------------------|--------------------------------------|--------------|---------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|----------------|------------|----------------|---------------|------|-----|------|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   | Company: Ensolum LLC                 |              | Lab WO#             |                 | Job Number                                                                                                                                                                                                                                                                                                                                |              | 1D          | 2D             | 3D         | Std            | NM            | CO   | UT  | TX   |
| Project: Dagger Lake South Slot 1 Row to slot 2                                                                                                                                                                                                                                                                                                                                                       |              |        |                   | Address: 3122 National Parks Hwy     |              | E 40 7008           |                 | 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 | BGDOC - NM | TCEQ 1005 - TX | RCRA 8 Metals | SDWA | CWA | RCRA |
| 10:59                                                                                                                                                                                                                                                                                                                                                                                                 | 6/28/2024    | S      | 1                 | BH01 @ 8'                            |              | 1                   |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                | X          |                |               |      |     |      |
| 11:56                                                                                                                                                                                                                                                                                                                                                                                                 | 6/28/2024    | S      | 1                 | BH01 @ 10'                           |              | 2                   |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                | X          |                |               |      |     |      |
| 12:27                                                                                                                                                                                                                                                                                                                                                                                                 | 6/28/2024    | S      | 1                 | BH01 @ 14'                           |              | 3                   |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                | X          |                |               |      |     |      |
| 13:17                                                                                                                                                                                                                                                                                                                                                                                                 | 6/28/2024    | S      | 1                 | BH02 @ 10'                           |              | 4                   |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                | X          |                |               |      |     |      |
| 13:55                                                                                                                                                                                                                                                                                                                                                                                                 | 6/28/2024    | S      | 1                 | BH05 @ 10'                           |              | 5                   |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                | X          |                |               |      |     |      |
| 14:20                                                                                                                                                                                                                                                                                                                                                                                                 | 6/28/2024    | S      | 1                 | BH05 @ 14'                           |              | 6                   |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                | X          |                |               |      |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@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: Brandon Deal                                                                                                                                                                                                                                                                                                                                                                              |              |        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time            | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br><br>Lab Use Only<br>Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N<br><br>T1 _____ T2 _____ T3 _____<br><br>AVG Temp °C 4 |              |             |                |            |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time            |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time            |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time            |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other                                                                                                                                                                                                                                                                                                                              |              |        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
| Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA                                                                                                                                                                                                                                                                                                                                |              |        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |
| Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                                           |              |             |                |            |                |               |      |     |      |



envirotech

Page 115 of 121

## Envirotech Analytical Laboratory

Printed: 7/2/2024 10:20:44AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

|         |                         |                 |                            |                |                |
|---------|-------------------------|-----------------|----------------------------|----------------|----------------|
| Client: | Matador Resources, LLC. | Date Received:  | 07/02/24 10:00             | Work Order ID: | E407008        |
| Phone:  | (972) 371-5200          | Date Logged In: | 07/01/24 16:28             | Logged In By:  | Alexa Michaels |
| Email:  | agiovngo@ensolum.com    | Due Date:       | 07/10/24 17:00 (4 day TAT) |                |                |

**Chain of Custody (COC)**

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

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

Carrier: Courier**Comments/Resolution****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? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Work Order: E409295

Job Number: 23003-0002

Received: 10/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/7/24

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: 10/7/24

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



Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Workorder: E409295  
Date Received: 10/1/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/1/2024 8:00:00AM, under the Project Name: Dagger Lake South Slot 1 ROW to Slot 2.

The analytical test results summarized in this report with the Project Name: Dagger Lake South Slot 1 ROW to Slot 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

|                                                                             |                                                                                                                        |                             |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/07/24 05:53 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| FS01-4'          | E409295-01A   | Soil   | 09/27/24 | 10/01/24 | Glass Jar, 2 oz. |
| FS02-4'          | E409295-02A   | Soil   | 09/27/24 | 10/01/24 | Glass Jar, 2 oz. |
| FS03-4'          | E409295-03A   | Soil   | 09/27/24 | 10/01/24 | Glass Jar, 2 oz. |
| FS04-4'          | E409295-04A   | Soil   | 09/27/24 | 10/01/24 | Glass Jar, 2 oz. |
| FS05-4'          | E409295-05A   | Soil   | 09/27/24 | 10/01/24 | Glass Jar, 2 oz. |
| FS06-4'          | E409295-06A   | Soil   | 09/27/24 | 10/01/24 | Glass Jar, 2 oz. |
| FS07-4'          | E409295-07A   | Soil   | 09/27/24 | 10/01/24 | Glass Jar, 2 oz. |
| FS08-4'          | E409295-08A   | Soil   | 09/27/24 | 10/01/24 | Glass Jar, 2 oz. |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2024 5:53:59AM

**FS01-4'**

**E409295-01**

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/01/24 | 10/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 99.5 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/01/24 | 10/02/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 95.9 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2440043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/01/24 | 10/04/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/01/24 | 10/04/24       |       |
| <i>Surrogate: n-Nonane</i>                            | 113 %  | 50-200          |             | 10/01/24 | 10/04/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2440049 |       |
| Chloride                                              | 789    | 20.0            | 1           | 10/02/24 | 10/02/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/7/2024 5:53:59AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

FS02-4'  
E409295-02

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/01/24 | 10/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 99.1 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/01/24 | 10/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.6 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2440043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/01/24 | 10/04/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/01/24 | 10/04/24       |       |
| Surrogate: n-Nonane                                   | 110 %  | 50-200          |             | 10/01/24 | 10/04/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2440049 |       |
| Chloride                                              | 4280   | 40.0            | 2           | 10/02/24 | 10/02/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/7/2024 5:53:59AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

FS03-4'  
E409295-03

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/01/24 | 10/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 99.7 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/01/24 | 10/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 96.5 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2440043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/01/24 | 10/04/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/01/24 | 10/04/24       |       |
| Surrogate: n-Nonane                                   | 113 %  | 50-200          |             | 10/01/24 | 10/04/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2440049 |       |
| Chloride                                              | 6010   | 100             | 5           | 10/02/24 | 10/02/24       |       |



## Sample Data

|                                                                             |                                                                                                                        |                                         |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | <b>Reported:</b><br>10/7/2024 5:53:59AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|

FS04-4'

E409295-04

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/01/24 | 10/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 99.3 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/01/24 | 10/02/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 96.6 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2440043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/01/24 | 10/04/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/01/24 | 10/04/24       |       |
| <i>Surrogate: n-Nonane</i>                            | 115 %  | 50-200          |             | 10/01/24 | 10/04/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2440049 |       |
| Chloride                                              | 687    | 20.0            | 1           | 10/02/24 | 10/02/24       |       |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/7/2024 5:53:59AM

FS05-4'

E409295-05

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/01/24 | 10/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 98.7 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/01/24 | 10/02/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 95.8 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2440043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/01/24 | 10/04/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/01/24 | 10/04/24       |       |
| <i>Surrogate: n-Nonane</i>                            | 111 %  | 50-200          |             | 10/01/24 | 10/04/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2440049 |       |
| Chloride                                              | 5900   | 100             | 5           | 10/02/24 | 10/02/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/7/2024 5:53:59AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

FS06-4'

E409295-06

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/01/24 | 10/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 98.4 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/01/24 | 10/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.2 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2440043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/01/24 | 10/04/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/01/24 | 10/04/24       |       |
| Surrogate: n-Nonane                                   | 112 %  | 50-200          |             | 10/01/24 | 10/04/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2440049 |       |
| Chloride                                              | 2920   | 40.0            | 2           | 10/02/24 | 10/02/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/7/2024 5:53:59AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

FS07-4'

E409295-07

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/01/24 | 10/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 97.6 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/01/24 | 10/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 96.0 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2440043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/01/24 | 10/04/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/01/24 | 10/04/24       |       |
| Surrogate: n-Nonane                                   | 113 %  | 50-200          |             | 10/01/24 | 10/04/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2440049 |       |
| Chloride                                              | 5430   | 100             | 5           | 10/02/24 | 10/02/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/7/2024 5:53:59AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|

FS08-4'  
E409295-08

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/01/24 | 10/02/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/01/24 | 10/02/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 98.6 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2440026 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/01/24 | 10/02/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.5 % | 70-130          |             | 10/01/24 | 10/02/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2440043 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/01/24 | 10/04/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/01/24 | 10/04/24       |       |
| Surrogate: n-Nonane                                   | 107 %  | 50-200          |             | 10/01/24 | 10/04/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: DT |          | Batch: 2440049 |       |
| Chloride                                              | 2090   | 40.0            | 2           | 10/02/24 | 10/02/24       |       |



QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/7/2024 5:53:59AM |

Volatile Organics by EPA 8021B

Analyst: CG

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2440026-BLK1) Prepared: 10/01/24 Analyzed: 10/02/24

|                                     |      |        |      |  |     |        |  |  |  |
|-------------------------------------|------|--------|------|--|-----|--------|--|--|--|
| 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 | 8.27 |        | 8.00 |  | 103 | 70-130 |  |  |  |

LCS (2440026-BS1) Prepared: 10/01/24 Analyzed: 10/02/24

|                                     |      |        |      |  |     |        |  |  |  |
|-------------------------------------|------|--------|------|--|-----|--------|--|--|--|
| Benzene                             | 5.42 | 0.0250 | 5.00 |  | 108 | 70-130 |  |  |  |
| Ethylbenzene                        | 5.24 | 0.0250 | 5.00 |  | 105 | 70-130 |  |  |  |
| Toluene                             | 5.33 | 0.0250 | 5.00 |  | 107 | 70-130 |  |  |  |
| o-Xylene                            | 5.21 | 0.0250 | 5.00 |  | 104 | 70-130 |  |  |  |
| p,m-Xylene                          | 10.6 | 0.0500 | 10.0 |  | 106 | 70-130 |  |  |  |
| Total Xylenes                       | 15.9 | 0.0250 | 15.0 |  | 106 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 8.14 |        | 8.00 |  | 102 | 70-130 |  |  |  |

Matrix Spike (2440026-MS1) Source: E409288-03 Prepared: 10/01/24 Analyzed: 10/02/24

|                                     |      |        |      |    |     |        |  |  |  |
|-------------------------------------|------|--------|------|----|-----|--------|--|--|--|
| Benzene                             | 5.91 | 0.0250 | 5.00 | ND | 118 | 54-133 |  |  |  |
| Ethylbenzene                        | 5.69 | 0.0250 | 5.00 | ND | 114 | 61-133 |  |  |  |
| Toluene                             | 5.81 | 0.0250 | 5.00 | ND | 116 | 61-130 |  |  |  |
| o-Xylene                            | 5.68 | 0.0250 | 5.00 | ND | 114 | 63-131 |  |  |  |
| p,m-Xylene                          | 11.6 | 0.0500 | 10.0 | ND | 116 | 63-131 |  |  |  |
| Total Xylenes                       | 17.2 | 0.0250 | 15.0 | ND | 115 | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 8.00 |        | 8.00 |    | 100 | 70-130 |  |  |  |

Matrix Spike Dup (2440026-MSD1) Source: E409288-03 Prepared: 10/01/24 Analyzed: 10/02/24

|                                     |      |        |      |    |      |        |      |    |  |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene                             | 5.19 | 0.0250 | 5.00 | ND | 104  | 54-133 | 12.9 | 20 |  |
| Ethylbenzene                        | 5.02 | 0.0250 | 5.00 | ND | 100  | 61-133 | 12.5 | 20 |  |
| Toluene                             | 5.11 | 0.0250 | 5.00 | ND | 102  | 61-130 | 12.8 | 20 |  |
| o-Xylene                            | 5.00 | 0.0250 | 5.00 | ND | 99.9 | 63-131 | 12.8 | 20 |  |
| p,m-Xylene                          | 10.2 | 0.0500 | 10.0 | ND | 102  | 63-131 | 12.3 | 20 |  |
| Total Xylenes                       | 15.2 | 0.0250 | 15.0 | ND | 101  | 63-131 | 12.4 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.88 |        | 8.00 |    | 98.6 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/7/2024 5:53:59AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2440026-BLK1) Prepared: 10/01/24 Analyzed: 10/02/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.58 |      | 8.00 |  | 94.8 | 70-130 |  |  |  |

LCS (2440026-BS2) Prepared: 10/01/24 Analyzed: 10/02/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 39.1 | 20.0 | 50.0 |  | 78.2 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.59 |      | 8.00 |  | 94.9 | 70-130 |  |  |  |

Matrix Spike (2440026-MS2) Source: E409288-03 Prepared: 10/01/24 Analyzed: 10/02/24

|                                         |      |      |      |    |      |        |  |  |  |
|-----------------------------------------|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 40.1 | 20.0 | 50.0 | ND | 80.2 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.79 |      | 8.00 |    | 97.4 | 70-130 |  |  |  |

Matrix Spike Dup (2440026-MSD2) Source: E409288-03 Prepared: 10/01/24 Analyzed: 10/02/24

|                                         |      |      |      |    |      |        |      |    |  |
|-----------------------------------------|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 38.9 | 20.0 | 50.0 | ND | 77.9 | 70-130 | 2.93 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.86 |      | 8.00 |    | 98.2 | 70-130 |      |    |  |





QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/7/2024 5:53:59AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2440043-BLK1)            |      |      |      |  | Prepared: 10/01/24 Analyzed: 10/03/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 55.8 |      | 50.0 |  | 112                                   | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2440043-BS1)               |      |      |      |  | Prepared: 10/01/24 Analyzed: 10/03/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 277  | 25.0 | 250  |  | 111                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 57.6 |      | 50.0 |  | 115                                   | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2440043-MS1)      |      |      |      |    | Source: E409295-02 |        | Prepared: 10/01/24 Analyzed: 10/04/24 |  |  |
| Diesel Range Organics (C10-C28) | 259  | 25.0 | 250  | ND | 104                | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 56.2 |      | 50.0 |    | 112                | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2440043-MSD1) |      |      |      |    | Source: E409295-02 |        | Prepared: 10/01/24 Analyzed: 10/04/24 |    |  |
| Diesel Range Organics (C10-C28) | 258  | 25.0 | 250  | ND | 103                | 38-132 | 0.302                                 | 20 |  |
| Surrogate: n-Nonane             | 57.5 |      | 50.0 |    | 115                | 50-200 |                                       |    |  |



QC Summary Data

|                              |                  |                                        |                     |
|------------------------------|------------------|----------------------------------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/7/2024 5:53:59AM |

Anions by EPA 300.0/9056A

Analyst: DT

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |     |      |     |     |                                       |        |                                       |    |  |
|---------------------------------|-----|------|-----|-----|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2440049-BLK1)            |     |      |     |     | Prepared: 10/02/24 Analyzed: 10/02/24 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |     |                                       |        |                                       |    |  |
| LCS (2440049-BS1)               |     |      |     |     | Prepared: 10/02/24 Analyzed: 10/02/24 |        |                                       |    |  |
| Chloride                        | 252 | 20.0 | 250 |     | 101                                   | 90-110 |                                       |    |  |
| Matrix Spike (2440049-MS1)      |     |      |     |     | Source: E409294-03                    |        | Prepared: 10/02/24 Analyzed: 10/02/24 |    |  |
| Chloride                        | 702 | 20.0 | 250 | 444 | 103                                   | 80-120 |                                       |    |  |
| Matrix Spike Dup (2440049-MSD1) |     |      |     |     | Source: E409294-03                    |        | Prepared: 10/02/24 Analyzed: 10/02/24 |    |  |
| Chloride                        | 698 | 20.0 | 250 | 444 | 102                                   | 80-120 | 0.605                                 | 20 |  |

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



Definitions and Notes

|                              |                  |                                        |                |
|------------------------------|------------------|----------------------------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/07/24 05:53 |

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

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

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



## Chain of Custody

Page 1 of 1

| Client Information                                                                                                                                                                                                                                                                                                                                                                                    |              |         |                   | Invoice Information                  |              | Lab Use Only             |                 | TAT             |              |             |                | State                                                                                                                                                                                                                                                                                |                |               |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|-------------------|--------------------------------------|--------------|--------------------------|-----------------|-----------------|--------------|-------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|------|-----|------|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |         |                   | Company: Ensolum LLC                 |              | Lab WO#                  |                 | 1D 2D 3D Std    |              |             |                | NM CO UT TX                                                                                                                                                                                                                                                                          |                |               |      |     |      |
| Project: <u>Digger Lake South slot 1 Raw slot 2</u>                                                                                                                                                                                                                                                                                                                                                   |              |         |                   | Address: 3122 National Parks Hwy     |              | E 409295                 |                 | Job Number      |              |             |                | 23003-0002                                                                                                                                                                                                                                                                           |                |               |      |     |      |
| Project Manager: Ashley Giovengo                                                                                                                                                                                                                                                                                                                                                                      |              |         |                   | City, State, Zip: Carlsbad NM, 88220 |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| Address: 3122 National Parks Hwy                                                                                                                                                                                                                                                                                                                                                                      |              |         |                   | Phone: 575-988-0055                  |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| City, State, Zip: Carlsbad NM, 88220                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | Email: agiovengo@ensolum.com         |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| Phone: 575-988-0055                                                                                                                                                                                                                                                                                                                                                                                   |              |         |                   | Miscellaneous:                       |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| Email: agiovengo@ensolum.com                                                                                                                                                                                                                                                                                                                                                                          |              |         |                   |                                      |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| Sample Information                                                                                                                                                                                                                                                                                                                                                                                    |              |         |                   |                                      |              | Analysis and Method      |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                | EPA Program   |      |     |      |
| Time Sampled                                                                                                                                                                                                                                                                                                                                                                                          | Date Sampled | Matrix  | No. of Containers | Sample ID                            | Field Filter | Lab Number               | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | BGDOC - NM                                                                                                                                                                                                                                                                           | TCEQ 1005 - TX | RCRA 8 Metals | SDWA | CWA | RCRA |
| 1124                                                                                                                                                                                                                                                                                                                                                                                                  | 9/27/24      | Soil    | 1                 | FS01-4'                              |              | 1                        |                 |                 |              |             |                | X                                                                                                                                                                                                                                                                                    |                |               |      |     |      |
| 1125                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 02                                   |              | 2                        |                 |                 |              |             |                | X                                                                                                                                                                                                                                                                                    |                |               |      |     |      |
| 1123                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 03                                   |              | 3                        |                 |                 |              |             |                | X                                                                                                                                                                                                                                                                                    |                |               |      |     |      |
| 1119                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 04                                   |              | 4                        |                 |                 |              |             |                | X                                                                                                                                                                                                                                                                                    |                |               |      |     |      |
| 1123                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 05                                   |              | 5                        |                 |                 |              |             |                | X                                                                                                                                                                                                                                                                                    |                |               |      |     |      |
| 1119                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 06                                   |              | 6                        |                 |                 |              |             |                | X                                                                                                                                                                                                                                                                                    |                |               |      |     |      |
| 1120                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 07                                   |              | 7                        |                 |                 |              |             |                | X                                                                                                                                                                                                                                                                                    |                |               |      |     |      |
| 1120                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 08                                   |              | 8                        |                 |                 |              |             |                | X                                                                                                                                                                                                                                                                                    |                |               |      |     |      |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com                                                                                                                                                                                                                                 |              |         |                   |                                      |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.                                                                                                                                                      |              |         |                   |                                      |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| Sampled by: <u>Israel Estrella/Bonnie Simmons</u>                                                                                                                                                                                                                                                                                                                                                     |              |         |                   |                                      |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date    |                   | Time                                 |              | Received by: (Signature) |                 | Date            |              | Time        |                | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <u>Y</u> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |                |               |      |     |      |
| <u>Israel Estrella</u>                                                                                                                                                                                                                                                                                                                                                                                |              | 9/30/24 |                   | 8:12                                 |              | <u>C. Ponce</u>          |                 | 9/30/24         |              | 14:15       |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| <u>Bonnie Simmons</u>                                                                                                                                                                                                                                                                                                                                                                                 |              | 9/30/24 |                   | 14:00                                |              | <u>J. J.</u>             |                 | 9/30/24         |              | 17:30       |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| <u>Paul H.</u>                                                                                                                                                                                                                                                                                                                                                                                        |              | 9/30/24 |                   | 24:00                                |              | <u>Paul H.</u>           |                 | 10/1/24         |              | 8:00        |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____                                                                                                                                                                                                                                                                                                                        |              |         |                   |                                      |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____                                                                                                                                                                                                                                                                                                                          |              |         |                   |                                      |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |
| Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |         |                   |                                      |              |                          |                 |                 |              |             |                |                                                                                                                                                                                                                                                                                      |                |               |      |     |      |



envirotech



## Envirotech Analytical Laboratory

Printed: 10/1/2024 11:12:45AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

|         |                         |                 |                            |                |               |
|---------|-------------------------|-----------------|----------------------------|----------------|---------------|
| Client: | Matador Resources, LLC. | Date Received:  | 10/01/24 08:00             | Work Order ID: | E409295       |
| Phone:  | (972) 371-5200          | Date Logged In: | 09/30/24 16:20             | Logged In By:  | Raina Schwanz |
| Email:  | agiovngo@ensolum.com    | Due Date:       | 10/07/24 17:00 (4 day TAT) |                |               |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

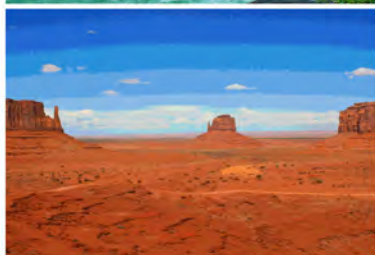
Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Work Order: E410036

Job Number: 23003-0002

Received: 10/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/10/24

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: 10/10/24



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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Workorder: E410036  
Date Received: 10/4/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/4/2024 8:00:00AM, under the Project Name: Dagger Lake South Slot 1 ROW to Slot 2.

The analytical test results summarized in this report with the Project Name: Dagger Lake South Slot 1 ROW to Slot 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/24 11:05

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| FS09-4'          | E410036-01A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS10-4'          | E410036-02A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS11-4'          | E410036-03A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS12-4'          | E410036-04A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS13-4'          | E410036-05A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS14-4'          | E410036-06A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS15-4'          | E410036-07A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS16-4'          | E410036-08A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS17-4'          | E410036-09A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS18-4'          | E410036-10A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS19-4'          | E410036-11A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS20-4'          | E410036-12A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS21-4'          | E410036-13A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS22-4'          | E410036-14A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS23-4'          | E410036-15A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS24-4'          | E410036-16A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS25-4'          | E410036-17A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS26-4'          | E410036-18A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS27-4'          | E410036-19A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS28-4'          | E410036-20A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS29-4'          | E410036-21A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS30-4'          | E410036-22A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS31-4'          | E410036-23A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS32-4'          | E410036-24A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS33-4'          | E410036-25A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS34-4'          | E410036-26A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS35-4'          | E410036-27A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS36-4'          | E410036-28A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |
| FS37-4'          | E410036-29A   | Soil   | 10/02/24 | 10/04/24 | Glass Jar, 2 oz. |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS09-4'

E410036-01

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|                                                       |        | 102 %           | 70-130       | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|                                                       |        | 96.1 %          | 70-130       | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|                                                       |        | 106 %           | 50-200       | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 3380   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS10-4'

E410036-02

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/08/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|                                                       |        | 102 %           | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|                                                       |        | 95.8 %          | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF  |          | Batch: 2440099 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|                                                       |        | 102 %           | 50-200   | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440110 |
| Chloride                                              | 1910   | 40.0            | 2        | 10/04/24     | 10/04/24 |                |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS11-4'

E410036-03

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/08/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|                                                       |        | 102 %           | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|                                                       |        | 95.4 %          | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF  |          | Batch: 2440099 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|                                                       |        | 98.9 %          | 50-200   | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440110 |
| Chloride                                              | 2210   | 40.0            | 2        | 10/04/24     | 10/04/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS12-4'

E410036-04

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/08/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|                                                       |        | 103 %           | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|                                                       |        | 95.9 %          | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF  |          | Batch: 2440099 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|                                                       |        | 96.1 %          | 50-200   | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440110 |
| Chloride                                              | 447    | 20.0            | 1        | 10/04/24     | 10/04/24 |                |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS13-4'  
E410036-05

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 108 %  | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.9 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | 58.5   | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| Surrogate: n-Nonane                                   | 99.5 % | 50-200          |              | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 3630   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |



## Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS14-4'

E410036-06

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 105 %  | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.9 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | 25.4   | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| Surrogate: n-Nonane                                   | 95.7 % | 50-200          |              | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 2340   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |



## Sample Data

|                                                                             |                                                                                                                        |                                           |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | <b>Reported:</b><br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|

FS15-4'

E410036-07

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 104 %           | 70-130       | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 95.2 %          | 70-130       | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 101 %           | 50-200       | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 4570   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS16-4'

E410036-08

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|                                                       |        | 105 %           | 70-130       | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|                                                       |        | 97.4 %          | 70-130       | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|                                                       |        | 101 %           | 50-200       | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 5640   | 100             | 5            | 10/04/24 | 10/04/24       |       |





Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS17-4'  
E410036-09

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 104 %  | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.7 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| Surrogate: n-Nonane                                   | 102 %  | 50-200          |              | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 3180   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS18-4'

E410036-10

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/08/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|                                                       |        | 104 %           | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|                                                       |        | 95.6 %          | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF  |          | Batch: 2440099 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|                                                       |        | 104 %           | 50-200   | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440110 |
| Chloride                                              | 2360   | 40.0            | 2        | 10/04/24     | 10/04/24 |                |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS19-4'

E410036-11

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 103 %  | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.5 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| Surrogate: n-Nonane                                   | 110 %  | 50-200          |              | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 2340   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |



## Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS20-4'

E410036-12

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 102 %  | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 94.8 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| Surrogate: n-Nonane                                   | 100 %  | 50-200          |              | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 3790   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS21-4'  
E410036-13

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 102 %  | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.1 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| Surrogate: n-Nonane                                   | 98.3 % | 50-200          |              | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 3360   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS22-4'

E410036-14

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 99.8 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 94.9 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| Surrogate: n-Nonane                                   | 103 %  | 50-200          |              | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 2560   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS23-4'

E410036-15

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|                                                       |        | 101 %           | 70-130       | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|                                                       |        | 94.9 %          | 70-130       | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|                                                       |        | 104 %           | 50-200       | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 5820   | 100             | 5            | 10/04/24 | 10/04/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS24-4'

E410036-16

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|                                                       | 99.0 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|                                                       | 94.0 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|                                                       | 106 %  | 50-200          |              | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 4620   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS25-4'

E410036-17

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 101 %  | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 94.7 % | 70-130          |              | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | 32.3   | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| Surrogate: n-Nonane                                   | 112 %  | 50-200          |              | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 2550   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS26-4'

E410036-18

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/08/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|                                                       |        | 101 %           | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|                                                       |        | 94.9 %          | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF  |          | Batch: 2440099 |
| Diesel Range Organics (C10-C28)                       | 34.5   | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|                                                       |        | 107 %           | 50-200   | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440110 |
| Chloride                                              | 2430   | 40.0            | 2        | 10/04/24     | 10/04/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS27-4'

E410036-19

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/08/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|                                                       |        | 100 %           | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440107 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/08/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|                                                       |        | 94.6 %          | 70-130   | 10/04/24     | 10/08/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF  |          | Batch: 2440099 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|                                                       |        | 104 %           | 50-200   | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440110 |
| Chloride                                              | 6020   | 100             | 5        | 10/04/24     | 10/04/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS28-4'

E410036-20

| Analyte                                               | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Benzene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| Toluene                                               | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1            | 10/04/24 | 10/08/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|                                                       |        | 101 %           | 70-130       | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2440107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 10/04/24 | 10/08/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|                                                       |        | 96.7 %          | 70-130       | 10/04/24 | 10/08/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: AF  |          | Batch: 2440099 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 10/04/24 | 10/05/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1            | 10/04/24 | 10/05/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|                                                       |        | 114 %           | 50-200       | 10/04/24 | 10/05/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |              |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2440110 |       |
| Chloride                                              | 4820   | 40.0            | 2            | 10/04/24 | 10/04/24       |       |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS29-4'

E410036-21

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/07/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 98.3 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 100 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 98.3 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 100 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV  |          | Batch: 2440113 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| Surrogate: n-Nonane                                   | 85.3 % | 50-200          |          | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440112 |
| Chloride                                              | 6630   | 100             | 5        | 10/04/24     | 10/05/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS30-4'

E410036-22

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/07/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 97.4 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 99.0 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 100 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 97.4 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 99.0 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 100 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV  |          | Batch: 2440113 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| Surrogate: n-Nonane                                   | 80.4 % | 50-200          |          | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440112 |
| Chloride                                              | 5540   | 100             | 5        | 10/04/24     | 10/05/24 |                |



## Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS31-4'

E410036-23

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/07/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 97.1 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 101 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 97.1 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 101 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV  |          | Batch: 2440113 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| Surrogate: n-Nonane                                   | 84.4 % | 50-200          |          | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440112 |
| Chloride                                              | 825    | 20.0            | 1        | 10/04/24     | 10/05/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS32-4'

E410036-24

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/07/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 97.8 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 99.9 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 97.8 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 99.9 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV  |          | Batch: 2440113 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| Surrogate: n-Nonane                                   | 86.7 % | 50-200          |          | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440112 |
| Chloride                                              | 903    | 20.0            | 1        | 10/04/24     | 10/04/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS33-4'

E410036-25

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/07/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 97.6 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 97.5 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 100 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 97.6 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 97.5 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 100 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV  |          | Batch: 2440113 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| Surrogate: n-Nonane                                   | 90.4 % | 50-200          |          | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440112 |
| Chloride                                              | 3770   | 40.0            | 2        | 10/04/24     | 10/05/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS34-4'

E410036-26

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/07/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 98.8 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 101 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 98.8 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 101 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 101 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV  |          | Batch: 2440113 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| Surrogate: n-Nonane                                   | 80.1 % | 50-200          |          | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440112 |
| Chloride                                              | 4510   | 40.0            | 2        | 10/04/24     | 10/05/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS35-4'

E410036-27

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/07/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 97.9 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 98.9 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 97.9 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 98.9 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV  |          | Batch: 2440113 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| Surrogate: n-Nonane                                   | 85.1 % | 50-200          |          | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440112 |
| Chloride                                              | 3950   | 40.0            | 2        | 10/04/24     | 10/05/24 |                |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 11:05:46AM

FS36-4'

E410036-28

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/07/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 96.3 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 98.0 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 96.3 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 102 %  | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 98.0 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV  |          | Batch: 2440113 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| Surrogate: n-Nonane                                   | 90.0 % | 50-200          |          | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440112 |
| Chloride                                              | 7090   | 100             | 5        | 10/04/24     | 10/05/24 |                |



## Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 11:05:46AM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS37-4'

E410036-29

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/04/24     | 10/07/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 96.8 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 98.1 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 99.0 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2440108 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/04/24     | 10/07/24 |                |
| Surrogate: Bromofluorobenzene                         | 96.8 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 98.1 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| Surrogate: Toluene-d8                                 | 99.0 % | 70-130          |          | 10/04/24     | 10/07/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV  |          | Batch: 2440113 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/04/24     | 10/05/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/04/24     | 10/05/24 |                |
| Surrogate: n-Nonane                                   | 83.2 % | 50-200          |          | 10/04/24     | 10/05/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2440112 |
| Chloride                                              | 3780   | 40.0            | 2        | 10/04/24     | 10/05/24 |                |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 11:05:46AM |

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2440108-BLK1) Prepared: 10/04/24 Analyzed: 10/07/24

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| 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    | 0.502 |        | 0.500 |  | 100  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.495 |        | 0.500 |  | 99.0 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.495 |        | 0.500 |  | 99.0 | 70-130 |  |  |  |

LCS (2440108-BS1) Prepared: 10/04/24 Analyzed: 10/07/24

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene                          | 2.14  | 0.0250 | 2.50  |  | 85.6 | 70-130 |  |  |  |
| Ethylbenzene                     | 2.36  | 0.0250 | 2.50  |  | 94.5 | 70-130 |  |  |  |
| Toluene                          | 2.39  | 0.0250 | 2.50  |  | 95.5 | 70-130 |  |  |  |
| o-Xylene                         | 2.48  | 0.0250 | 2.50  |  | 99.2 | 70-130 |  |  |  |
| p,m-Xylene                       | 4.96  | 0.0500 | 5.00  |  | 99.2 | 70-130 |  |  |  |
| Total Xylenes                    | 7.44  | 0.0250 | 7.50  |  | 99.2 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.484 |        | 0.500 |  | 96.7 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.496 |        | 0.500 |  | 99.2 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.496 |        | 0.500 |  | 99.2 | 70-130 |  |  |  |

Matrix Spike (2440108-MS1) Source: E410036-24 Prepared: 10/04/24 Analyzed: 10/07/24

|                                  |       |        |       |    |      |        |  |  |  |
|----------------------------------|-------|--------|-------|----|------|--------|--|--|--|
| Benzene                          | 2.20  | 0.0250 | 2.50  | ND | 87.9 | 48-131 |  |  |  |
| Ethylbenzene                     | 2.39  | 0.0250 | 2.50  | ND | 95.6 | 45-135 |  |  |  |
| Toluene                          | 2.41  | 0.0250 | 2.50  | ND | 96.3 | 48-130 |  |  |  |
| o-Xylene                         | 2.55  | 0.0250 | 2.50  | ND | 102  | 43-135 |  |  |  |
| p,m-Xylene                       | 5.06  | 0.0500 | 5.00  | ND | 101  | 43-135 |  |  |  |
| Total Xylenes                    | 7.61  | 0.0250 | 7.50  | ND | 101  | 43-135 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.481 |        | 0.500 |    | 96.2 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.511 |        | 0.500 |    | 102  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.498 |        | 0.500 |    | 99.5 | 70-130 |  |  |  |

Matrix Spike Dup (2440108-MSD1) Source: E410036-24 Prepared: 10/04/24 Analyzed: 10/07/24

|                                  |       |        |       |    |      |        |        |    |  |
|----------------------------------|-------|--------|-------|----|------|--------|--------|----|--|
| Benzene                          | 2.20  | 0.0250 | 2.50  | ND | 87.9 | 48-131 | 0.0227 | 23 |  |
| Ethylbenzene                     | 2.44  | 0.0250 | 2.50  | ND | 97.4 | 45-135 | 1.86   | 27 |  |
| Toluene                          | 2.45  | 0.0250 | 2.50  | ND | 98.0 | 48-130 | 1.71   | 24 |  |
| o-Xylene                         | 2.62  | 0.0250 | 2.50  | ND | 105  | 43-135 | 3.08   | 27 |  |
| p,m-Xylene                       | 5.23  | 0.0500 | 5.00  | ND | 105  | 43-135 | 3.25   | 27 |  |
| Total Xylenes                    | 7.85  | 0.0250 | 7.50  | ND | 105  | 43-135 | 3.19   | 27 |  |
| Surrogate: Bromofluorobenzene    | 0.486 |        | 0.500 |    | 97.1 | 70-130 |        |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.493 |        | 0.500 |    | 98.6 | 70-130 |        |    |  |
| Surrogate: Toluene-d8            | 0.495 |        | 0.500 |    | 98.9 | 70-130 |        |    |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 11:05:46AM |

Volatile Organics by EPA 8021B

Analyst: RKS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2440107-BLK1) Prepared: 10/04/24 Analyzed: 10/08/24

|                                     |      |        |      |  |     |        |  |  |  |
|-------------------------------------|------|--------|------|--|-----|--------|--|--|--|
| 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 | 8.07 |        | 8.00 |  | 101 | 70-130 |  |  |  |

LCS (2440107-BS1) Prepared: 10/04/24 Analyzed: 10/08/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.86 | 0.0250 | 5.00 |  | 97.2 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.90 | 0.0250 | 5.00 |  | 97.9 | 70-130 |  |  |  |
| Toluene                             | 4.93 | 0.0250 | 5.00 |  | 98.6 | 70-130 |  |  |  |
| o-Xylene                            | 4.91 | 0.0250 | 5.00 |  | 98.3 | 70-130 |  |  |  |
| p,m-Xylene                          | 9.98 | 0.0500 | 10.0 |  | 99.8 | 70-130 |  |  |  |
| Total Xylenes                       | 14.9 | 0.0250 | 15.0 |  | 99.3 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 8.10 |        | 8.00 |  | 101  | 70-130 |  |  |  |

Matrix Spike (2440107-MS1) Source: E410036-07 Prepared: 10/04/24 Analyzed: 10/08/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 4.87 | 0.0250 | 5.00 | ND | 97.5 | 54-133 |  |  |  |
| Ethylbenzene                        | 4.91 | 0.0250 | 5.00 | ND | 98.2 | 61-133 |  |  |  |
| Toluene                             | 4.95 | 0.0250 | 5.00 | ND | 99.0 | 61-130 |  |  |  |
| o-Xylene                            | 4.92 | 0.0250 | 5.00 | ND | 98.5 | 63-131 |  |  |  |
| p,m-Xylene                          | 10.0 | 0.0500 | 10.0 | ND | 100  | 63-131 |  |  |  |
| Total Xylenes                       | 14.9 | 0.0250 | 15.0 | ND | 99.5 | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.96 |        | 8.00 |    | 99.5 | 70-130 |  |  |  |

Matrix Spike Dup (2440107-MSD1) Source: E410036-07 Prepared: 10/04/24 Analyzed: 10/08/24

|                                     |      |        |      |    |      |        |       |    |  |
|-------------------------------------|------|--------|------|----|------|--------|-------|----|--|
| Benzene                             | 4.90 | 0.0250 | 5.00 | ND | 98.1 | 54-133 | 0.630 | 20 |  |
| Ethylbenzene                        | 4.95 | 0.0250 | 5.00 | ND | 99.0 | 61-133 | 0.811 | 20 |  |
| Toluene                             | 4.98 | 0.0250 | 5.00 | ND | 99.7 | 61-130 | 0.675 | 20 |  |
| o-Xylene                            | 4.96 | 0.0250 | 5.00 | ND | 99.3 | 63-131 | 0.794 | 20 |  |
| p,m-Xylene                          | 10.1 | 0.0500 | 10.0 | ND | 101  | 63-131 | 0.813 | 20 |  |
| Total Xylenes                       | 15.0 | 0.0250 | 15.0 | ND | 100  | 63-131 | 0.807 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.96 |        | 8.00 |    | 99.5 | 70-130 |       |    |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 11:05:46AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2440107-BLK1) Prepared: 10/04/24 Analyzed: 10/08/24

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

LCS (2440107-BS2) Prepared: 10/04/24 Analyzed: 10/08/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 46.6 | 20.0 | 50.0 |  | 93.3 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.72 |      | 8.00 |  | 96.5 | 70-130 |  |  |  |

Matrix Spike (2440107-MS2) Source: E410036-07 Prepared: 10/04/24 Analyzed: 10/08/24

|                                         |      |      |      |    |      |        |  |  |  |
|-----------------------------------------|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 47.1 | 20.0 | 50.0 | ND | 94.2 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.82 |      | 8.00 |    | 97.7 | 70-130 |  |  |  |

Matrix Spike Dup (2440107-MSD2) Source: E410036-07 Prepared: 10/04/24 Analyzed: 10/08/24

|                                         |      |      |      |    |      |        |      |    |  |
|-----------------------------------------|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 46.3 | 20.0 | 50.0 | ND | 92.5 | 70-130 | 1.79 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.76 |      | 8.00 |    | 97.1 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 11:05:46AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2440108-BLK1) Prepared: 10/04/24 Analyzed: 10/07/24

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND    | 20.0 |       |  |      |        |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.502 |      | 0.500 |  | 100  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.495 |      | 0.500 |  | 99.0 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.495 |      | 0.500 |  | 99.0 | 70-130 |  |  |  |

LCS (2440108-BS2) Prepared: 10/04/24 Analyzed: 10/07/24

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 42.6  | 20.0 | 50.0  |  | 85.1 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.498 |      | 0.500 |  | 99.6 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.512 |      | 0.500 |  | 102  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.495 |      | 0.500 |  | 99.0 | 70-130 |  |  |  |

Matrix Spike (2440108-MS2) Source: E410036-24 Prepared: 10/04/24 Analyzed: 10/07/24

|                                  |       |      |       |    |      |        |  |  |  |
|----------------------------------|-------|------|-------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 44.8  | 20.0 | 50.0  | ND | 89.7 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.490 |      | 0.500 |    | 97.9 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.493 |      | 0.500 |    | 98.5 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.504 |      | 0.500 |    | 101  | 70-130 |  |  |  |

Matrix Spike Dup (2440108-MSD2) Source: E410036-24 Prepared: 10/04/24 Analyzed: 10/07/24

|                                  |       |      |       |    |      |        |      |    |  |
|----------------------------------|-------|------|-------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 41.7  | 20.0 | 50.0  | ND | 83.5 | 70-130 | 7.19 | 20 |  |
| Surrogate: Bromofluorobenzene    | 0.495 |      | 0.500 |    | 99.0 | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.512 |      | 0.500 |    | 102  | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.502 |      | 0.500 |    | 100  | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 11:05:46AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2440099-BLK1) Prepared: 10/04/24 Analyzed: 10/05/24

|                                 |      |      |      |  |     |        |  |  |  |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |     |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |     |        |  |  |  |
| Surrogate: n-Nonane             | 54.6 |      | 50.0 |  | 109 | 50-200 |  |  |  |

LCS (2440099-BS1) Prepared: 10/04/24 Analyzed: 10/05/24

|                                 |      |      |      |  |     |        |  |  |  |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 280  | 25.0 | 250  |  | 112 | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 54.9 |      | 50.0 |  | 110 | 50-200 |  |  |  |

Matrix Spike (2440099-MS1) Source: E410036-04 Prepared: 10/04/24 Analyzed: 10/05/24

|                                 |      |      |      |    |     |        |  |  |  |
|---------------------------------|------|------|------|----|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 289  | 25.0 | 250  | ND | 116 | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 55.0 |      | 50.0 |    | 110 | 50-200 |  |  |  |

Matrix Spike Dup (2440099-MSD1) Source: E410036-04 Prepared: 10/04/24 Analyzed: 10/05/24

|                                 |      |      |      |    |     |        |      |    |  |
|---------------------------------|------|------|------|----|-----|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 284  | 25.0 | 250  | ND | 114 | 38-132 | 1.88 | 20 |  |
| Surrogate: n-Nonane             | 54.6 |      | 50.0 |    | 109 | 50-200 |      |    |  |





QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 11:05:46AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2440113-BLK1)            |      |      |      |  | Prepared: 10/04/24 Analyzed: 10/05/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 49.0 |      | 50.0 |  | 98.0                                  | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2440113-BS1)               |      |      |      |  | Prepared: 10/04/24 Analyzed: 10/05/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 242  | 25.0 | 250  |  | 96.8                                  | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 50.7 |      | 50.0 |  | 101                                   | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2440113-MS1)      |      |      |      |    | Source: E410036-21 |        | Prepared: 10/04/24 Analyzed: 10/05/24 |  |  |
| Diesel Range Organics (C10-C28) | 242  | 25.0 | 250  | ND | 96.7               | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 48.0 |      | 50.0 |    | 96.0               | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2440113-MSD1) |      |      |      |    | Source: E410036-21 |        | Prepared: 10/04/24 Analyzed: 10/05/24 |    |  |
| Diesel Range Organics (C10-C28) | 251  | 25.0 | 250  | ND | 100                | 38-132 | 3.60                                  | 20 |  |
| Surrogate: n-Nonane             | 47.6 |      | 50.0 |    | 95.3               | 50-200 |                                       |    |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 11:05:46AM |

Anions by EPA 300.0/9056A

Analyst: RAS

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

|                                 |     |      |     |     |                                       |        |                                       |    |  |
|---------------------------------|-----|------|-----|-----|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2440110-BLK1)            |     |      |     |     | Prepared: 10/04/24 Analyzed: 10/04/24 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |     |                                       |        |                                       |    |  |
| LCS (2440110-BS1)               |     |      |     |     | Prepared: 10/04/24 Analyzed: 10/04/24 |        |                                       |    |  |
| Chloride                        | 258 | 20.0 | 250 |     | 103                                   | 90-110 |                                       |    |  |
| Matrix Spike (2440110-MS1)      |     |      |     |     | Source: E410036-04                    |        | Prepared: 10/04/24 Analyzed: 10/04/24 |    |  |
| Chloride                        | 739 | 20.0 | 250 | 447 | 117                                   | 80-120 |                                       |    |  |
| Matrix Spike Dup (2440110-MSD1) |     |      |     |     | Source: E410036-04                    |        | Prepared: 10/04/24 Analyzed: 10/04/24 |    |  |
| Chloride                        | 680 | 20.0 | 250 | 447 | 93.3                                  | 80-120 | 8.39                                  | 20 |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 11:05:46AM |

Anions by EPA 300.0/9056A

Analyst: RAS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |     |     |                                       |        |                                       |    |    |
|---------------------------------|------|------|-----|-----|---------------------------------------|--------|---------------------------------------|----|----|
| Blank (2440112-BLK1)            |      |      |     |     | Prepared: 10/04/24 Analyzed: 10/04/24 |        |                                       |    |    |
| Chloride                        | ND   | 20.0 |     |     |                                       |        |                                       |    |    |
| LCS (2440112-BS1)               |      |      |     |     | Prepared: 10/04/24 Analyzed: 10/04/24 |        |                                       |    |    |
| Chloride                        | 258  | 20.0 | 250 |     | 103                                   | 90-110 |                                       |    |    |
| Matrix Spike (2440112-MS1)      |      |      |     |     | Source: E410036-24                    |        | Prepared: 10/04/24 Analyzed: 10/04/24 |    |    |
| Chloride                        | 1180 | 20.0 | 250 | 903 | 112                                   | 80-120 |                                       |    |    |
| Matrix Spike Dup (2440112-MSD1) |      |      |     |     | Source: E410036-24                    |        | Prepared: 10/04/24 Analyzed: 10/04/24 |    |    |
| Chloride                        | 1290 | 20.0 | 250 | 903 | 157                                   | 80-120 | 8.89                                  | 20 | M4 |

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



Definitions and Notes

|                              |                  |                                        |                |
|------------------------------|------------------|----------------------------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/24 11:05 |

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



## Chain of Custody

Page 1 of 3

Received by OCD: 2/13/2025 10:34:39 AM

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| Client Information                                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   | Invoice Information                  |              | Lab Use Only    |                 | TAT                                                                                                                                                                                                                                                                                                                             |              |                     |                | State                                                                                                                          |                |               |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|-------------------|--------------------------------------|--------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|------|-----|------|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   | Company: Ensolum LLC                 |              | Lab WO# E410036 |                 | Job Number 23063-0002                                                                                                                                                                                                                                                                                                           |              |                     |                | 1D 2D 3D Std<br><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |                |               |      |     |      |
| Project: <u>Digger Lake South slot 2 Row to slot 2</u>                                                                                                                                                                                                                                                                                                                                                |              |        |                   | Address: 3122 National Parks Hwy     |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | NM CO UT TX<br><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>  |                |               |      |     |      |
| Project Manager: Ashley Giovengo                                                                                                                                                                                                                                                                                                                                                                      |              |        |                   | City, State, Zip: Carlsbad NM, 88220 |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Address: 3122 National Parks Hwy                                                                                                                                                                                                                                                                                                                                                                      |              |        |                   | Phone: 575-988-0055                  |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| City, State, Zip: Carlsbad NM, 88220                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | Email: agiovengo@ensolum.com         |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Phone: 575-988-0055                                                                                                                                                                                                                                                                                                                                                                                   |              |        |                   | Miscellaneous:                       |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Email: agiovengo@ensolum.com                                                                                                                                                                                                                                                                                                                                                                          |              |        |                   |                                      |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Sample Information                                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   |                                      |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              | Analysis and Method |                |                                                                                                                                |                | EPA Program   |      |     |      |
| Time Sampled                                                                                                                                                                                                                                                                                                                                                                                          | Date Sampled | Matrix | No. of Containers | Sample ID                            | Field Filter | Lab Number      | DRO/ORO by 8015 | GRO/DRO by 8015                                                                                                                                                                                                                                                                                                                 | BTEX by 8021 | VOC by 8260         | Chloride 300.0 | BGDOC - NM                                                                                                                     | TCEQ 1005 - TX | RCRA 8 Metals | SDWA | CWA | RCRA |
| 1150                                                                                                                                                                                                                                                                                                                                                                                                  | 10/2/24      | soil   | 1                 | FS09-41                              |              | 1               |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | X                                                                                                                              |                |               |      |     |      |
| 1153                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 10                                   |              | 2               |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | X                                                                                                                              |                |               |      |     |      |
| 1158                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 11                                   |              | 3               |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | X                                                                                                                              |                |               |      |     |      |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 12                                   |              | 4               |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | X                                                                                                                              |                |               |      |     |      |
| 1204                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 13                                   |              | 5               |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | X                                                                                                                              |                |               |      |     |      |
| 1207                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 14                                   |              | 6               |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | X                                                                                                                              |                |               |      |     |      |
| 1210                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 15                                   |              | 7               |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | X                                                                                                                              |                |               |      |     |      |
| 1310                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 16                                   |              | 8               |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | X                                                                                                                              |                |               |      |     |      |
| 1314                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 17                                   |              | 9               |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | X                                                                                                                              |                |               |      |     |      |
| 1316                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 18                                   |              | 10              |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                | X                                                                                                                              |                |               |      |     |      |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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>Krael Estrella / Solunale Aderinto</u>                                                                                                                                                                                                                                                                                                                                                 |              |        |                   |                                      |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date            | Time            | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br><br>Lab Use Only<br>Received on ice: <input checked="" type="checkbox"/> Y / N<br><br>T1 _____ T2 _____ T3 _____<br><br>AVG Temp °C <u>4</u> |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date            | Time            |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date            | Time            |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date            | Time            |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____                                                                                                                                                                                                                                                                                                                        |              |        |                   |                                      |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____                                                                                                                                                                                                                                                                                                                          |              |        |                   |                                      |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |
| Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |        |                   |                                      |              |                 |                 |                                                                                                                                                                                                                                                                                                                                 |              |                     |                |                                                                                                                                |                |               |      |     |      |



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## Chain of Custody

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| Client Information                                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   | Invoice Information                  |              | Lab Use Only        |                   | TAT                                                                                                                                                                                                                                                                                                                                  |              |             |                                     | State                               |                |               |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|-------------------|--------------------------------------|--------------|---------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|-------------------------------------|-------------------------------------|----------------|---------------|------|-----|------|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   | Company: Ensolum LLC                 |              | Lab WO#             | Job Number        | 1D                                                                                                                                                                                                                                                                                                                                   | 2D           | 3D          | Std                                 | NM                                  | CO             | UT            | TX   |     |      |
| Project: <u>Dugger Lake south slot 2 ROW to slot 2</u>                                                                                                                                                                                                                                                                                                                                                |              |        |                   | Address: 3122 National Parks Hwy     |              | <u>E410036</u>      | <u>13003-0002</u> |                                                                                                                                                                                                                                                                                                                                      |              |             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |               |      |     |      |
| 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          | DRQ/ORO by 8015   | GRQ/DRO by 8015                                                                                                                                                                                                                                                                                                                      | BTEX by 8021 | VOC by 8260 | Chloride 300.0                      | BGDOC - NM                          | TCEQ 1005 - TX | RCRA 8 Metals | SDWA | CWA | RCRA |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| 1318                                                                                                                                                                                                                                                                                                                                                                                                  | 10/2/24      | soil   | 1                 | FS19-91                              |              | 11                  |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1321                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 20                                   |              | 12                  |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1323                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 21                                   |              | 13                  |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1325                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 22                                   |              | 14                  |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1329                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 23                                   |              | 15                  |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1332                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 24                                   |              | 16                  |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1333                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 25                                   |              | 17                  |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1335                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 26                                   |              | 18                  |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1335                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 27 <sup>+</sup>                      |              | 19                  |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1336                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 28                                   |              | 20                  |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| Additional Instructions: Please CC: <u>cburton@ensolum.com</u> , <u>agiovengo@ensolum.com</u> , <u>chamilton@ensolum.com</u> , <u>iestrella@ensolum.com</u>                                                                                                                                                                                                                                           |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| 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 / Oluwale Aderinto</u>                                                                                                                                                                                                                                                                                                                                                 |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time              | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |              |             |                                     |                                     |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time              |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time              |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time              |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____                                                                                                                                                                                                                                                                                                                        |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____                                                                                                                                                                                                                                                                                                                          |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |



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## Chain of Custody

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| Client Information                                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   | Invoice Information                  |              |            |                 | Lab Use Only                                                                                                                                                                                                                                                                                                                         |              |                   |                | TAT                                                                          |                |               |                                     | State                               |      |            |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|-------------------|--------------------------------------|--------------|------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|----------------|------------------------------------------------------------------------------|----------------|---------------|-------------------------------------|-------------------------------------|------|------------|--------|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   | Company: Ensolum LLC                 |              |            |                 | Lab WO#                                                                                                                                                                                                                                                                                                                              |              | Job Number        |                | 1D                                                                           | 2D             | 3D            | Std                                 | NM                                  | CO   | UT         | TX     |
| Project: <u>Dagge Lake South Slot 1 ROW to Slot 2</u>                                                                                                                                                                                                                                                                                                                                                 |              |        |                   | Address: 3122 National Parks Hwy     |              |            |                 | <u>E410036</u>                                                                                                                                                                                                                                                                                                                       |              | <u>23003-0002</u> |                |                                                                              |                |               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |      |            |        |
| Project Manager: Ashley Giovengo                                                                                                                                                                                                                                                                                                                                                                      |              |        |                   | City, State, Zip: Carlsbad NM, 88220 |              |            |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |
| Address: 3122 National Parks Hwy                                                                                                                                                                                                                                                                                                                                                                      |              |        |                   | Phone: 575-988-0055                  |              |            |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |
| City, State, Zip: Carlsbad NM, 88220                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | Email: agiovengo@ensolum.com         |              |            |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |
| Phone: 575-988-0055                                                                                                                                                                                                                                                                                                                                                                                   |              |        |                   | Miscellaneous:                       |              |            |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |
| Email: agiovengo@ensolum.com                                                                                                                                                                                                                                                                                                                                                                          |              |        |                   |                                      |              |            |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |
| Sample Information                                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   |                                      |              |            |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | Analysis and Method                                                          |                |               |                                     | EPA Program                         |      |            |        |
| Time Sampled                                                                                                                                                                                                                                                                                                                                                                                          | Date Sampled | Matrix | No. of Containers | Sample ID                            | Field Filter | Lab Number | DRO/DRO by 8015 | GRO/DRO by 8015                                                                                                                                                                                                                                                                                                                      | BTEX by 8021 | VOC by 8260       | Chloride 300.0 | BGDOC - NM                                                                   | TCEQ 1005 - TX | RCRA 8 Metals | SDWA                                | CWA                                 | RCRA | Compliance | Y or N |
| 1337                                                                                                                                                                                                                                                                                                                                                                                                  | 10/2/24      | Soil   | 1                 | FS 29 - 4'                           |              | 21         |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | X                                                                            |                |               |                                     |                                     |      |            |        |
| 1338                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 30                                   |              | 22         |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | X                                                                            |                |               |                                     |                                     |      |            |        |
| 1339                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 31                                   |              | 23         |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | X                                                                            |                |               |                                     |                                     |      |            |        |
| 1340                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 32                                   |              | 24         |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | X                                                                            |                |               |                                     |                                     |      |            |        |
| 1341                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 33                                   |              | 25         |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | X                                                                            |                |               |                                     |                                     |      |            |        |
| 1342                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 34                                   |              | 26         |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | X                                                                            |                |               |                                     |                                     |      |            |        |
| 1343                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 35                                   |              | 27         |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | X                                                                            |                |               |                                     |                                     |      |            |        |
| 1343                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 36                                   |              | 28         |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | X                                                                            |                |               |                                     |                                     |      |            |        |
| 1344                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 37+                                  |              | 29         |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | X                                                                            |                |               |                                     |                                     |      |            |        |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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 / Oluwale Agemo</u>                                                                                                                                                                                                                                                                                                                                                    |              |        |                   |                                      |              |            |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date       | Time            | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date       | Time            |                                                                                                                                                                                                                                                                                                                                      |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date       | Time            |                                                                                                                                                                                                                                                                                                                                      |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date       | Time            |                                                                                                                                                                                                                                                                                                                                      |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____                                                                                                                                                                                                                                                                                                                        |              |        |                   |                                      |              |            |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____ |                |               |                                     |                                     |      |            |        |
| Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |        |                   |                                      |              |            |                 |                                                                                                                                                                                                                                                                                                                                      |              |                   |                |                                                                              |                |               |                                     |                                     |      |            |        |



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## Envirotech Analytical Laboratory

Printed: 10/4/2024 10:00:25AM

## 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:  | 10/04/24 08:00             | Work Order ID: | E410036       |
| Phone:  | (972) 371-5200          | Date Logged In: | 10/03/24 16:36             | Logged In By:  | Raina Schwanz |
| Email:  | agiovngo@ensolum.com    | Due Date:       | 10/10/24 17:00 (4 day TAT) |                |               |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



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*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Work Order: E410058

Job Number: 23003-0002

Received: 10/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/10/24

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: 10/10/24

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



Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Workorder: E410058  
Date Received: 10/8/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/8/2024 5:00:00AM, under the Project Name: Dagger Lake South Slot 1 ROW to Slot 2.

The analytical test results summarized in this report with the Project Name: Dagger Lake South Slot 1 ROW to Slot 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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

**Michelle Gonzales**  
Client Representative  
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Sample Summary

|                                                                             |                                                                                                                        |                             |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/24 14:33 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| SW 05 - 0 - 4'   | E410058-01A   | Soil   | 10/04/24 | 10/08/24 | Glass Jar, 2 oz. |
| SW 10 - 0 - 4'   | E410058-02A   | Soil   | 10/04/24 | 10/08/24 | Glass Jar, 2 oz. |
| SW 11 - 0 - 4'   | E410058-03A   | Soil   | 10/04/24 | 10/08/24 | Glass Jar, 2 oz. |
| SW 12 - 0 - 4'   | E410058-04A   | Soil   | 10/04/24 | 10/08/24 | Glass Jar, 2 oz. |
| SW 13 - 0 - 4'   | E410058-05A   | Soil   | 10/04/24 | 10/08/24 | Glass Jar, 2 oz. |
| SW 14 - 0 - 4'   | E410058-06A   | Soil   | 10/04/24 | 10/08/24 | Glass Jar, 2 oz. |
| SW 21 - 0 - 4'   | E410058-07A   | Soil   | 10/04/24 | 10/08/24 | Glass Jar, 2 oz. |



## Sample Data

|                                                                             |                                                                                                                        |                                          |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | <b>Reported:</b><br>10/10/2024 2:33:21PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------|

**SW 05 - 0 - 4'**

**E410058-01**

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/08/24 | 10/09/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 101 %           | 70-130      | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/08/24 | 10/09/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 95.3 %          | 70-130      | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441021 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/08/24 | 10/08/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/08/24 | 10/08/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 96.5 %          | 50-200      | 10/08/24 | 10/08/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441028 |       |
| Chloride                                              | 96.8   | 20.0            | 1           | 10/08/24 | 10/08/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 2:33:21PM

SW 10 - 0 - 4'

E410058-02

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/08/24 | 10/09/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/08/24 | 10/09/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 96.3 %          | 70-130      | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441021 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/08/24 | 10/08/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/08/24 | 10/08/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 96.7 %          | 50-200      | 10/08/24 | 10/08/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441028 |       |
| Chloride                                              | 274    | 20.0            | 1           | 10/08/24 | 10/08/24       |       |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 2:33:21PM

## SW 11 - 0 - 4'

## E410058-03

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/08/24 | 10/09/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 101 %           | 70-130      | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/08/24 | 10/09/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 95.9 %          | 70-130      | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441021 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/08/24 | 10/08/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/08/24 | 10/08/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 94.1 %          | 50-200      | 10/08/24 | 10/08/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441028 |       |
| Chloride                                              | 272    | 20.0            | 1           | 10/08/24 | 10/08/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 2:33:21PM

SW 12 - 0 - 4'

E410058-04

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/08/24 | 10/09/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 101 %           | 70-130      | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/08/24 | 10/09/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 95.7 %          | 70-130      | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441021 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/08/24 | 10/08/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/08/24 | 10/08/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 96.9 %          | 50-200      | 10/08/24 | 10/08/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441028 |       |
| Chloride                                              | 140    | 20.0            | 1           | 10/08/24 | 10/08/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/10/2024 2:33:21PM

SW 13 - 0 - 4'

E410058-05

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/08/24 | 10/09/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       | 102 %  | 70-130          |             | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/08/24 | 10/09/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       | 94.9 % | 70-130          |             | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441021 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/08/24 | 10/08/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/08/24 | 10/08/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       | 96.8 % | 50-200          |             | 10/08/24 | 10/08/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441028 |       |
| Chloride                                              | 99.8   | 20.0            | 1           | 10/08/24 | 10/08/24       |       |



## Sample Data

|                                                                             |                                                                                                                        |                                   |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 2:33:21PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|

SW 14 - 0 - 4'

E410058-06

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/08/24 | 10/09/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 102 %  | 70-130          |             | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/08/24 | 10/09/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.6 % | 70-130          |             | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441021 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/08/24 | 10/08/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/08/24 | 10/08/24       |       |
| Surrogate: n-Nonane                                   | 95.3 % | 50-200          |             | 10/08/24 | 10/08/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441028 |       |
| Chloride                                              | 224    | 20.0            | 1           | 10/08/24 | 10/08/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                   |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/10/2024 2:33:21PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|

SW 21 - 0 - 4'  
E410058-07

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/08/24 | 10/09/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/08/24 | 10/09/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   |        | 102 %           | 70-130      | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441016 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/08/24 | 10/09/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               |        | 95.7 %          | 70-130      | 10/08/24 | 10/09/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441021 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/08/24 | 10/08/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/08/24 | 10/08/24       |       |
| Surrogate: n-Nonane                                   |        | 95.2 %          | 50-200      | 10/08/24 | 10/08/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441028 |       |
| Chloride                                              | 91.0   | 20.0            | 1           | 10/08/24 | 10/08/24       |       |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 2:33:21PM |

Volatile Organics by EPA 8021B

Analyst: CG

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2441016-BLK1) Prepared: 10/08/24 Analyzed: 10/08/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 | 7.83 |        | 8.00 |  | 97.9 | 70-130 |  |  |  |

LCS (2441016-BS1) Prepared: 10/08/24 Analyzed: 10/08/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.41 | 0.0250 | 5.00 |  | 88.3 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.50 | 0.0250 | 5.00 |  | 90.0 | 70-130 |  |  |  |
| Toluene                             | 4.52 | 0.0250 | 5.00 |  | 90.4 | 70-130 |  |  |  |
| o-Xylene                            | 4.52 | 0.0250 | 5.00 |  | 90.3 | 70-130 |  |  |  |
| p,m-Xylene                          | 9.18 | 0.0500 | 10.0 |  | 91.8 | 70-130 |  |  |  |
| Total Xylenes                       | 13.7 | 0.0250 | 15.0 |  | 91.3 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.84 |        | 8.00 |  | 98.0 | 70-130 |  |  |  |

Matrix Spike (2441016-MS1) Source: E410057-24 Prepared: 10/08/24 Analyzed: 10/10/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 4.31 | 0.0250 | 5.00 | ND | 86.1 | 54-133 |  |  |  |
| Ethylbenzene                        | 4.75 | 0.0250 | 5.00 | ND | 95.1 | 61-133 |  |  |  |
| Toluene                             | 4.67 | 0.0250 | 5.00 | ND | 93.4 | 61-130 |  |  |  |
| o-Xylene                            | 4.81 | 0.0250 | 5.00 | ND | 96.2 | 63-131 |  |  |  |
| p,m-Xylene                          | 9.68 | 0.0500 | 10.0 | ND | 96.8 | 63-131 |  |  |  |
| Total Xylenes                       | 14.5 | 0.0250 | 15.0 | ND | 96.6 | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 8.21 |        | 8.00 |    | 103  | 70-130 |  |  |  |

Matrix Spike Dup (2441016-MSD1) Source: E410057-24 Prepared: 10/08/24 Analyzed: 10/08/24

|                                     |      |        |      |    |      |        |      |    |  |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene                             | 4.82 | 0.0250 | 5.00 | ND | 96.5 | 54-133 | 11.3 | 20 |  |
| Ethylbenzene                        | 4.93 | 0.0250 | 5.00 | ND | 98.5 | 61-133 | 3.52 | 20 |  |
| Toluene                             | 4.94 | 0.0250 | 5.00 | ND | 98.8 | 61-130 | 5.62 | 20 |  |
| o-Xylene                            | 4.95 | 0.0250 | 5.00 | ND | 98.9 | 63-131 | 2.80 | 20 |  |
| p,m-Xylene                          | 10.0 | 0.0500 | 10.0 | ND | 100  | 63-131 | 3.49 | 20 |  |
| Total Xylenes                       | 15.0 | 0.0250 | 15.0 | ND | 99.8 | 63-131 | 3.26 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.82 |        | 8.00 |    | 97.8 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 2:33:21PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2441016-BLK1) Prepared: 10/08/24 Analyzed: 10/08/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.57 |      | 8.00 |  | 94.7 | 70-130 |  |  |  |

LCS (2441016-BS2) Prepared: 10/08/24 Analyzed: 10/08/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 42.0 | 20.0 | 50.0 |  | 84.1 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.82 |      | 8.00 |  | 97.8 | 70-130 |  |  |  |

Matrix Spike (2441016-MS2) Source: E410057-24 Prepared: 10/08/24 Analyzed: 10/08/24

|                                         |      |      |      |    |      |        |  |  |  |
|-----------------------------------------|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 43.7 | 20.0 | 50.0 | ND | 87.4 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.77 |      | 8.00 |    | 97.1 | 70-130 |  |  |  |

Matrix Spike Dup (2441016-MSD2) Source: E410057-24 Prepared: 10/08/24 Analyzed: 10/08/24

|                                         |      |      |      |    |      |        |      |    |  |
|-----------------------------------------|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 45.6 | 20.0 | 50.0 | ND | 91.3 | 70-130 | 4.29 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.88 |      | 8.00 |    | 98.5 | 70-130 |      |    |  |





QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 2:33:21PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2441021-BLK1)            |      |      |      |  | Prepared: 10/08/24 Analyzed: 10/08/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 50.7 |      | 50.0 |  | 101                                   | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2441021-BS1)               |      |      |      |  | Prepared: 10/08/24 Analyzed: 10/08/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 294  | 25.0 | 250  |  | 118                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 55.4 |      | 50.0 |  | 111                                   | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2441021-MS1)      |      |      |      |    | Source: E410057-24 |        | Prepared: 10/08/24 Analyzed: 10/08/24 |  |  |
| Diesel Range Organics (C10-C28) | 291  | 25.0 | 250  | ND | 116                | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 54.8 |      | 50.0 |    | 110                | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2441021-MSD1) |      |      |      |    | Source: E410057-24 |        | Prepared: 10/08/24 Analyzed: 10/08/24 |    |  |
| Diesel Range Organics (C10-C28) | 315  | 25.0 | 250  | ND | 126                | 38-132 | 8.16                                  | 20 |  |
| Surrogate: n-Nonane             | 59.2 |      | 50.0 |    | 118                | 50-200 |                                       |    |  |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/2024 2:33:21PM |

Anions by EPA 300.0/9056A

Analyst: JM

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |     |      |     |    |                                       |        |                                       |    |  |
|---------------------------------|-----|------|-----|----|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2441028-BLK1)            |     |      |     |    | Prepared: 10/08/24 Analyzed: 10/08/24 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |    |                                       |        |                                       |    |  |
| LCS (2441028-BS1)               |     |      |     |    | Prepared: 10/08/24 Analyzed: 10/08/24 |        |                                       |    |  |
| Chloride                        | 253 | 20.0 | 250 |    | 101                                   | 90-110 |                                       |    |  |
| Matrix Spike (2441028-MS1)      |     |      |     |    | Source: E410057-27                    |        | Prepared: 10/08/24 Analyzed: 10/08/24 |    |  |
| Chloride                        | 272 | 100  | 250 | ND | 109                                   | 80-120 |                                       |    |  |
| Matrix Spike Dup (2441028-MSD1) |     |      |     |    | Source: E410057-27                    |        | Prepared: 10/08/24 Analyzed: 10/08/24 |    |  |
| Chloride                        | 278 | 100  | 250 | ND | 111                                   | 80-120 | 2.14                                  | 20 |  |

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



Definitions and Notes

|                              |                  |                                        |                |
|------------------------------|------------------|----------------------------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/10/24 14:33 |

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

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

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



## Chain of Custody

Page 1 of 1

| Client Information                                                                                                                                                                                                                                                                                                                                                                                    |              |         |                   | Invoice Information                  |              | Lab Use Only        |                 | TAT                                                                                                                                                                                                                                                                                                              |              |             |                | State                               |                |               |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|-------------------|--------------------------------------|--------------|---------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|----------------|-------------------------------------|----------------|---------------|------|-----|------|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |         |                   | Company: Ensolum LLC                 |              | Lab WO#             |                 | 1D 2D 3D Std                                                                                                                                                                                                                                                                                                     |              |             |                | NM CO UT TX                         |                |               |      |     |      |
| Project: <u>Daguer Lake Solids Slot 1 Row to Slot 2</u>                                                                                                                                                                                                                                                                                                                                               |              |         |                   | Address: 3122 National Parks Hwy     |              | E 410058            |                 | 23030002                                                                                                                                                                                                                                                                                                         |              |             |                | <input checked="" type="checkbox"/> |                |               |      |     |      |
| Project Manager: Ashley Giovengo                                                                                                                                                                                                                                                                                                                                                                      |              |         |                   | City, State, Zip: Carlsbad NM, 88220 |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Address: 3122 National Parks Hwy                                                                                                                                                                                                                                                                                                                                                                      |              |         |                   | Phone: 575-988-0055                  |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| City, State, Zip: Carlsbad NM, 88220                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | Email: agiovengo@ensolum.com         |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Phone: 575-988-0055                                                                                                                                                                                                                                                                                                                                                                                   |              |         |                   | Miscellaneous:                       |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Email: agiovengo@ensolum.com                                                                                                                                                                                                                                                                                                                                                                          |              |         |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Sample Information                                                                                                                                                                                                                                                                                                                                                                                    |              |         |                   |                                      |              | Analysis and Method |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                | EPA Program   |      |     |      |
| Time Sampled                                                                                                                                                                                                                                                                                                                                                                                          | Date Sampled | Matrix  | No. of Containers | Sample ID                            | Field Filter | Lab Number          | DRO/DRO by 8015 | GRO/DRO by 8015                                                                                                                                                                                                                                                                                                  | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | BGDOC - NM                          | TCEQ 1005 - TX | RCRA 8 Metals | SDWA | CWA | RCRA |
| 1046                                                                                                                                                                                                                                                                                                                                                                                                  | 10/04/24     | soil    | 1                 | SW 05 - 0-4'                         |              | 1                   |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                | X                                   |                |               |      |     |      |
| 1053                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 10                                   |              | 2                   |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                | X                                   |                |               |      |     |      |
| 1054                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 11                                   |              | 3                   |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                | X                                   |                |               |      |     |      |
| 1054                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 12                                   |              | 4                   |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                | X                                   |                |               |      |     |      |
| 1056                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 13                                   |              | 5                   |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                | X                                   |                |               |      |     |      |
| 1056                                                                                                                                                                                                                                                                                                                                                                                                  |              |         |                   | 14                                   |              | 6                   |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                | X                                   |                |               |      |     |      |
| 1107                                                                                                                                                                                                                                                                                                                                                                                                  | ↓            | ↓       | ↓                 | 21                                   | ↓            | 7                   |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                | X                                   |                |               |      |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |         |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |         |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |         |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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>Isaiah E / Oluwale A</u>                                                                                                                                                                                                                                                                                                                                                               |              |         |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date    | Time              | Received by: (Signature)             |              | Date                | Time            | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <input checked="" type="radio"/> Y / N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |              |             |                |                                     |                |               |      |     |      |
| <u>Isaiah E / Oluwale A</u>                                                                                                                                                                                                                                                                                                                                                                           |              | 10/7/24 | 08:15             | <u>Michelle Gonzales</u>             |              | 10-7-24             | 0815            |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| <u>Michelle Gonzales</u>                                                                                                                                                                                                                                                                                                                                                                              |              | 10-7-24 | 1720              | <u>Michelle Gonzales</u>             |              | 10-7-24             | 1525            |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| <u>Michelle Gonzales</u>                                                                                                                                                                                                                                                                                                                                                                              |              | 10-7-24 | 2055              | <u>Michelle Gonzales</u>             |              | 10-8-24             | 0500            |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date    | Time              | Received by: (Signature)             |              | Date                | Time            |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date    | Time              | Received by: (Signature)             |              | Date                | Time            |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____                                                                                                                                                                                                                                                                                                                        |              |         |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____                                                                                                                                                                                                                                                                                                                          |              |         |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |
| Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |         |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                                                  |              |             |                |                                     |                |               |      |     |      |



envirotech

## Envirotech Analytical Laboratory

Printed: 10/8/2024 8:57:16AM

## 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:  | 10/08/24 05:00             | Work Order ID: | E410058  |
| Phone:  | (972) 371-5200          | Date Logged In: | 10/07/24 17:16             | Logged In By:  | Noe Soto |
| Email:  | agiovngo@ensolum.com    | Due Date:       | 10/14/24 17:00 (4 day TAT) |                |          |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South Slot 1 to Slot 2

Work Order: E410086

Job Number: 23003-0002

Received: 10/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/14/24

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: 10/14/24



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

Project Name: Dagger Lake South Slot 1 to Slot 2  
Workorder: E410086  
Date Received: 10/9/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/9/2024 8:00:00AM, under the Project Name: Dagger Lake South Slot 1 to Slot 2.

The analytical test results summarized in this report with the Project Name: Dagger Lake South Slot 1 to Slot 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

|                                                                             |                                                                                                                    |                             |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/14/24 12:21 |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| SW 20 - 0 - 4'   | E410086-01A   | Soil   | 10/07/24 | 10/09/24 | Glass Jar, 2 oz. |
| SW 01 - 0 - 4'   | E410086-02A   | Soil   | 10/07/24 | 10/09/24 | Glass Jar, 2 oz. |
| SW 03 - 0 - 4'   | E410086-03A   | Soil   | 10/07/24 | 10/09/24 | Glass Jar, 2 oz. |
| SW 07 - 0 - 4'   | E410086-04A   | Soil   | 10/07/24 | 10/09/24 | Glass Jar, 2 oz. |
| SW 19 - 0 - 4'   | E410086-05A   | Soil   | 10/07/24 | 10/09/24 | Glass Jar, 2 oz. |
| SW 06 - 0 - 4'   | E410086-06A   | Soil   | 10/07/24 | 10/09/24 | Glass Jar, 2 oz. |
| SW 08 - 0 - 4'   | E410086-07A   | Soil   | 10/07/24 | 10/09/24 | Glass Jar, 2 oz. |
| SW 04 - 0 - 4'   | E410086-08A   | Soil   | 10/07/24 | 10/09/24 | Glass Jar, 2 oz. |



Sample Data

|                                                                             |                                                                                                                    |                                    |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/14/2024 12:21:13PM |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW 20 - 0 - 4'  
E410086-01

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/09/24 | 10/10/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 92.3 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 98.1 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441057 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/09/24 | 10/10/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: n-Nonane                                   | 96.1 % | 50-200          |             | 10/09/24 | 10/10/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441054 |       |
| Chloride                                              | ND     | 20.0            | 1           | 10/09/24 | 10/09/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/14/2024 12:21:13PM

SW 01 - 0 - 4'

E410086-02

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/09/24 | 10/10/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       | 93.5 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/09/24 | 10/10/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       | 98.7 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441057 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/09/24 | 10/10/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/09/24 | 10/10/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       | 95.6 % | 50-200          |             | 10/09/24 | 10/10/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441054 |       |
| Chloride                                              | 167    | 20.0            | 1           | 10/09/24 | 10/09/24       |       |



Sample Data

|                                                                             |                                                                                                                    |                                    |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/14/2024 12:21:13PM |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW 03 - 0 - 4'  
E410086-03

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/09/24 | 10/10/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 92.6 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 100 %  | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441057 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/09/24 | 10/10/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: n-Nonane                                   | 97.9 % | 50-200          |             | 10/09/24 | 10/10/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441054 |       |
| Chloride                                              | 253    | 20.0            | 1           | 10/09/24 | 10/09/24       |       |



Sample Data

|                                                                             |                                                                                                                    |                                    |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/14/2024 12:21:13PM |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW 07 - 0 - 4'  
E410086-04

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/09/24 | 10/10/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 91.8 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 97.0 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441057 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/09/24 | 10/10/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: n-Nonane                                   | 101 %  | 50-200          |             | 10/09/24 | 10/10/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441054 |       |
| Chloride                                              | 324    | 20.0            | 1           | 10/09/24 | 10/09/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/14/2024 12:21:13PM

SW 19 - 0 - 4'

E410086-05

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/09/24 | 10/10/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       | 89.5 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/09/24 | 10/10/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       | 97.5 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441057 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/09/24 | 10/10/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/09/24 | 10/10/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       | 99.2 % | 50-200          |             | 10/09/24 | 10/10/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441054 |       |
| Chloride                                              | 66.7   | 20.0            | 1           | 10/09/24 | 10/09/24       |       |





Sample Data

|                                                                             |                                                                                                                    |                                    |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/14/2024 12:21:13PM |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW 06 - 0 - 4'  
E410086-06

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/09/24 | 10/10/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 90.2 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 99.5 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441057 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/09/24 | 10/10/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: n-Nonane                                   | 103 %  | 50-200          |             | 10/09/24 | 10/10/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441054 |       |
| Chloride                                              | 326    | 20.0            | 1           | 10/09/24 | 10/10/24       |       |



Sample Data

|                                                                             |                                                                                                                    |                                    |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/14/2024 12:21:13PM |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW 08 - 0 - 4'  
E410086-07

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/09/24 | 10/10/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 90.7 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 99.1 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441057 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/09/24 | 10/10/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: n-Nonane                                   | 101 %  | 50-200          |             | 10/09/24 | 10/10/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441054 |       |
| Chloride                                              | 119    | 20.0            | 1           | 10/09/24 | 10/10/24       |       |



Sample Data

|                                                                             |                                                                                                                    |                                    |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/14/2024 12:21:13PM |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW 04 - 0 - 4'  
E410086-08

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/09/24 | 10/10/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 91.1 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: CG |          | Batch: 2441052 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 99.2 % | 70-130          |             | 10/09/24 | 10/10/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441057 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/09/24 | 10/10/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/09/24 | 10/10/24       |       |
| Surrogate: n-Nonane                                   | 98.4 % | 50-200          |             | 10/09/24 | 10/10/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2441054 |       |
| Chloride                                              | 326    | 20.0            | 1           | 10/09/24 | 10/10/24       |       |



QC Summary Data

|                              |                  |                                    |                       |
|------------------------------|------------------|------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                         |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                    | 10/14/2024 12:21:13PM |

Volatile Organics by EPA 8021B

Analyst: CG

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2441052-BLK1) Prepared: 10/09/24 Analyzed: 10/10/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 | 6.98 |        | 8.00 |  | 87.3 | 70-130 |  |  |  |

LCS (2441052-BS1) Prepared: 10/09/24 Analyzed: 10/10/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 5.25 | 0.0250 | 5.00 |  | 105  | 70-130 |  |  |  |
| Ethylbenzene                        | 5.12 | 0.0250 | 5.00 |  | 102  | 70-130 |  |  |  |
| Toluene                             | 5.21 | 0.0250 | 5.00 |  | 104  | 70-130 |  |  |  |
| o-Xylene                            | 5.12 | 0.0250 | 5.00 |  | 102  | 70-130 |  |  |  |
| p,m-Xylene                          | 10.4 | 0.0500 | 10.0 |  | 104  | 70-130 |  |  |  |
| Total Xylenes                       | 15.5 | 0.0250 | 15.0 |  | 103  | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.28 |        | 8.00 |  | 91.0 | 70-130 |  |  |  |

Matrix Spike (2441052-MS1) Source: E410086-03 Prepared: 10/09/24 Analyzed: 10/10/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 5.24 | 0.0250 | 5.00 | ND | 105  | 54-133 |  |  |  |
| Ethylbenzene                        | 5.07 | 0.0250 | 5.00 | ND | 101  | 61-133 |  |  |  |
| Toluene                             | 5.17 | 0.0250 | 5.00 | ND | 103  | 61-130 |  |  |  |
| o-Xylene                            | 5.07 | 0.0250 | 5.00 | ND | 101  | 63-131 |  |  |  |
| p,m-Xylene                          | 10.3 | 0.0500 | 10.0 | ND | 103  | 63-131 |  |  |  |
| Total Xylenes                       | 15.3 | 0.0250 | 15.0 | ND | 102  | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.29 |        | 8.00 |    | 91.1 | 70-130 |  |  |  |

Matrix Spike Dup (2441052-MSD1) Source: E410086-03 Prepared: 10/09/24 Analyzed: 10/10/24

|                                     |      |        |      |    |      |        |      |    |  |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene                             | 5.09 | 0.0250 | 5.00 | ND | 102  | 54-133 | 2.87 | 20 |  |
| Ethylbenzene                        | 4.93 | 0.0250 | 5.00 | ND | 98.6 | 61-133 | 2.73 | 20 |  |
| Toluene                             | 5.03 | 0.0250 | 5.00 | ND | 101  | 61-130 | 2.81 | 20 |  |
| o-Xylene                            | 4.93 | 0.0250 | 5.00 | ND | 98.6 | 63-131 | 2.84 | 20 |  |
| p,m-Xylene                          | 9.99 | 0.0500 | 10.0 | ND | 99.9 | 63-131 | 2.76 | 20 |  |
| Total Xylenes                       | 14.9 | 0.0250 | 15.0 | ND | 99.5 | 63-131 | 2.79 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.23 |        | 8.00 |    | 90.4 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                    |                       |
|------------------------------|------------------|------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                         |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                    | 10/14/2024 12:21:13PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2441052-BLK1)

Prepared: 10/09/24 Analyzed: 10/10/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.92 |      | 8.00 |  | 99.1 | 70-130 |  |  |  |

LCS (2441052-BS2)

Prepared: 10/09/24 Analyzed: 10/10/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 41.6 | 20.0 | 50.0 |  | 83.1 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.01 |      | 8.00 |  | 100  | 70-130 |  |  |  |

Matrix Spike (2441052-MS2)

Source: E410086-03 Prepared: 10/09/24 Analyzed: 10/10/24

|                                         |      |      |      |    |      |        |  |  |  |
|-----------------------------------------|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 43.3 | 20.0 | 50.0 | ND | 86.6 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.09 |      | 8.00 |    | 101  | 70-130 |  |  |  |

Matrix Spike Dup (2441052-MSD2)

Source: E410086-03 Prepared: 10/09/24 Analyzed: 10/10/24

|                                         |      |      |      |    |      |        |      |    |  |
|-----------------------------------------|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 41.3 | 20.0 | 50.0 | ND | 82.6 | 70-130 | 4.66 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.09 |      | 8.00 |    | 101  | 70-130 |      |    |  |

QC Summary Data

|                              |                  |                                    |                       |
|------------------------------|------------------|------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                         |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                    | 10/14/2024 12:21:13PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2441057-BLK1)            |      |      |      |  | Prepared: 10/09/24 Analyzed: 10/09/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 49.3 |      | 50.0 |  | 98.5                                  | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2441057-BS1)               |      |      |      |  | Prepared: 10/09/24 Analyzed: 10/09/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 251  | 25.0 | 250  |  | 100                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 49.0 |      | 50.0 |  | 98.1                                  | 50-200 |  |  |  |

|                                 |      |      |      |     |                    |        |                                       |  |  |
|---------------------------------|------|------|------|-----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2441057-MS1)      |      |      |      |     | Source: E410079-01 |        | Prepared: 10/09/24 Analyzed: 10/09/24 |  |  |
| Diesel Range Organics (C10-C28) | 397  | 25.0 | 250  | 159 | 95.3               | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 50.2 |      | 50.0 |     | 100                | 50-200 |                                       |  |  |

|                                 |      |      |      |     |                    |        |                                       |    |  |
|---------------------------------|------|------|------|-----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2441057-MSD1) |      |      |      |     | Source: E410079-01 |        | Prepared: 10/09/24 Analyzed: 10/09/24 |    |  |
| Diesel Range Organics (C10-C28) | 415  | 25.0 | 250  | 159 | 102                | 38-132 | 4.44                                  | 20 |  |
| Surrogate: n-Nonane             | 50.1 |      | 50.0 |     | 100                | 50-200 |                                       |    |  |



QC Summary Data

|                              |                  |                                    |                       |
|------------------------------|------------------|------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                         |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                    | 10/14/2024 12:21:13PM |

Anions by EPA 300.0/9056A

Analyst: JM

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |     |      |     |     |                                       |        |                                       |    |  |
|---------------------------------|-----|------|-----|-----|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2441054-BLK1)            |     |      |     |     | Prepared: 10/09/24 Analyzed: 10/09/24 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |     |                                       |        |                                       |    |  |
| LCS (2441054-BS1)               |     |      |     |     | Prepared: 10/09/24 Analyzed: 10/09/24 |        |                                       |    |  |
| Chloride                        | 252 | 20.0 | 250 |     | 101                                   | 90-110 |                                       |    |  |
| Matrix Spike (2441054-MS1)      |     |      |     |     | Source: E410085-05                    |        | Prepared: 10/09/24 Analyzed: 10/09/24 |    |  |
| Chloride                        | 703 | 20.0 | 250 | 439 | 106                                   | 80-120 |                                       |    |  |
| Matrix Spike Dup (2441054-MSD1) |     |      |     |     | Source: E410085-05                    |        | Prepared: 10/09/24 Analyzed: 10/09/24 |    |  |
| Chloride                        | 689 | 20.0 | 250 | 439 | 99.9                                  | 80-120 | 2.08                                  | 20 |  |

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





Definitions and Notes

|                              |                  |                                    |                |
|------------------------------|------------------|------------------------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 to Slot 2 |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                         | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                    | 10/14/24 12:21 |

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

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

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



## Chain of Custody

Page 1 of 1

| 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: <u>Dagger Lake South Slot 1 to Slot 2</u>                                                                                                                                                                                                                                                                                                                                                    |              |        |                   | Address: 3122 National Parks Hwy     |              | <u>E410086</u>      | <u>23003-0002</u> |                                                                                                                                                                                                                                                                                                                     |              |             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |               |            |     |      |   |
| Project Manager: Ashley Giovengo                                                                                                                                                                                                                                                                                                                                                                      |              |        |                   | City, State, Zip: Carlsbad NM, 88220 |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Address: 3122 National Parks Hwy                                                                                                                                                                                                                                                                                                                                                                      |              |        |                   | Phone: 575-988-0055                  |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| City, State, Zip: Carlsbad NM, 88220                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | Email: agiovengo@ensolum.com         |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Phone: 575-988-0055                                                                                                                                                                                                                                                                                                                                                                                   |              |        |                   | Miscellaneous:                       |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Email: agiovengo@ensolum.com                                                                                                                                                                                                                                                                                                                                                                          |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Sample Information                                                                                                                                                                                                                                                                                                                                                                                    |              |        |                   |                                      |              | Analysis and Method |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                | EPA Program   |            |     |      |   |
| Time Sampled                                                                                                                                                                                                                                                                                                                                                                                          | Date Sampled | Matrix | No. of Containers | Sample ID                            | Field Filter | Lab Number          | DRO/DRO by 8015   | GRO/DRO by 8015                                                                                                                                                                                                                                                                                                     | BTEX by 8021 | VOC by 8260 | Chloride 300.0                      | BGDOC - NM                          | TCEQ 1005 - TX | RCRA 8 Metals | SDWA       | CWA | RCRA |   |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               | Compliance | Y   | or   | N |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               | PWSID #    |     |      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               | Remarks    |     |      |   |
| 1065                                                                                                                                                                                                                                                                                                                                                                                                  | 10/7/24      | Soil   | 1                 | SW 20-0-41                           |              | 1                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | <input checked="" type="checkbox"/> |                |               |            |     |      |   |
| 1052                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 01                                   |              | 2                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | <input checked="" type="checkbox"/> |                |               |            |     |      |   |
| 1056                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 03                                   |              | 3                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | <input checked="" type="checkbox"/> |                |               |            |     |      |   |
| 1101                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 07                                   |              | 4                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | <input checked="" type="checkbox"/> |                |               |            |     |      |   |
| 1147                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 19                                   |              | 5                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | <input checked="" type="checkbox"/> |                |               |            |     |      |   |
| 1159                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 06                                   |              | 6                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | <input checked="" type="checkbox"/> |                |               |            |     |      |   |
| 1200                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 08                                   |              | 7                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | <input checked="" type="checkbox"/> |                |               |            |     |      |   |
| 1321                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |                   | 04                                   |              | 8                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | <input checked="" type="checkbox"/> |                |               |            |     |      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |                   | +                                    |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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>Krael E. Olwale A.</u>                                                                                                                                                                                                                                                                                                                                                                 |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time              | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <input checked="" type="checkbox"/> Y / N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |              |             |                                     |                                     |                |               |            |     |      |   |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time              |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time              |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time              |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date   | Time              | Received by: (Signature)             |              | Date                | Time              |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other                                                                                                                                                                                                                                                                                                                              |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA                                                                                                                                                                                                                                                                                                                                |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |



envirotech

## Envirotech Analytical Laboratory

Printed: 10/9/2024 11:37:11AM

## 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:  | 10/09/24 08:00             | Work Order ID: | E410086  |
| Phone:  | (972) 371-5200          | Date Logged In: | 10/08/24 17:06             | Logged In By:  | Noe Soto |
| Email:  | agiovngo@ensolum.com    | Due Date:       | 10/15/24 17:00 (4 day TAT) |                |          |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

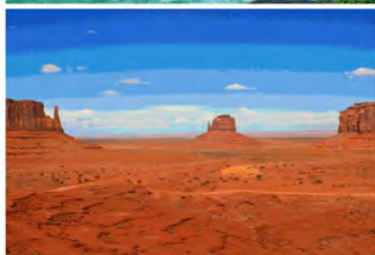
Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Work Order: E410107

Job Number: 23003-0002

Received: 10/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/17/24

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: 10/17/24

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



Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Workorder: E410107

Date Received: 10/11/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/11/2024 8:00:00AM, under the Project Name: Dagger Lake South Slot 1 ROW to Slot 2.

The analytical test results summarized in this report with the Project Name: Dagger Lake South Slot 1 ROW to Slot 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

|                                                                             |                                                                                                                        |                             |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/17/24 09:19 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| BH01 - 15'       | E410107-01A   | Soil   | 10/09/24 | 10/11/24 | Glass Jar, 2 oz. |
| BH01 - 16'       | E410107-02A   | Soil   | 10/09/24 | 10/11/24 | Glass Jar, 2 oz. |
| BH05 - 15'       | E410107-03A   | Soil   | 10/09/24 | 10/11/24 | Glass Jar, 2 oz. |
| BH05 - 17'       | E410107-04A   | Soil   | 10/09/24 | 10/11/24 | Glass Jar, 2 oz. |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/17/2024 9:19:30AM

## BH01 - 15'

## E410107-01

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2441107 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/11/24 | 10/15/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/11/24 | 10/15/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/11/24 | 10/15/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/11/24 | 10/15/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/11/24 | 10/15/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/11/24 | 10/15/24       |       |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130      | 10/11/24 | 10/15/24       |       |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.6 %          | 70-130      | 10/11/24 | 10/15/24       |       |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130      | 10/11/24 | 10/15/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2441107 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/11/24 | 10/15/24       |       |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130      | 10/11/24 | 10/15/24       |       |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.6 %          | 70-130      | 10/11/24 | 10/15/24       |       |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130      | 10/11/24 | 10/15/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2441115 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/11/24 | 10/13/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/11/24 | 10/13/24       |       |
| Surrogate: n-Nonane                                   |        | 96.0 %          | 50-200      | 10/11/24 | 10/13/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: WF |          | Batch: 2441116 |       |
| Chloride                                              | 4970   | 40.0            | 2           | 10/11/24 | 10/16/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/17/2024 9:19:30AM

BH01 - 16'

E410107-02

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2441107 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/11/24    | 10/15/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.4 %          | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2441107 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/11/24    | 10/15/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.4 %          | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2441115 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/11/24    | 10/13/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/11/24    | 10/13/24 |                |
| Surrogate: n-Nonane                                   |        | 96.1 %          | 50-200   | 10/11/24    | 10/13/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2441116 |
| Chloride                                              | 264    | 20.0            | 1        | 10/11/24    | 10/12/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/17/2024 9:19:30AM

BH05 - 15'

E410107-03

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2441107 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/11/24    | 10/15/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 114 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.0 %          | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2441107 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/11/24    | 10/15/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 114 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.0 %          | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2441115 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/11/24    | 10/13/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/11/24    | 10/13/24 |                |
| Surrogate: n-Nonane                                   |        | 93.0 %          | 50-200   | 10/11/24    | 10/13/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2441116 |
| Chloride                                              | 1010   | 20.0            | 1        | 10/11/24    | 10/16/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/17/2024 9:19:30AM

BH05 - 17'

E410107-04

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2441107 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/11/24    | 10/15/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/11/24    | 10/15/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.9 %          | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2441107 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/11/24    | 10/15/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.9 %          | 70-130   | 10/11/24    | 10/15/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/11/24    | 10/15/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2441115 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/11/24    | 10/13/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/11/24    | 10/13/24 |                |
| Surrogate: n-Nonane                                   |        | 91.1 %          | 50-200   | 10/11/24    | 10/13/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2441116 |
| Chloride                                              | 168    | 20.0            | 1        | 10/11/24    | 10/12/24 |                |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/17/2024 9:19:30AM |

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

Blank (2441107-BLK1)

Prepared: 10/11/24 Analyzed: 10/15/24

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| 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    | 0.582 |        | 0.500 |  | 116  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.467 |        | 0.500 |  | 93.3 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.546 |        | 0.500 |  | 109  | 70-130 |  |  |  |

LCS (2441107-BS1)

Prepared: 10/11/24 Analyzed: 10/16/24

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene                          | 2.77  | 0.0250 | 2.50  |  | 111  | 70-130 |  |  |  |
| Ethylbenzene                     | 2.61  | 0.0250 | 2.50  |  | 104  | 70-130 |  |  |  |
| Toluene                          | 2.67  | 0.0250 | 2.50  |  | 107  | 70-130 |  |  |  |
| o-Xylene                         | 2.75  | 0.0250 | 2.50  |  | 110  | 70-130 |  |  |  |
| p,m-Xylene                       | 5.48  | 0.0500 | 5.00  |  | 110  | 70-130 |  |  |  |
| Total Xylenes                    | 8.23  | 0.0250 | 7.50  |  | 110  | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.594 |        | 0.500 |  | 119  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.490 |        | 0.500 |  | 98.0 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.543 |        | 0.500 |  | 109  | 70-130 |  |  |  |

Matrix Spike (2441107-MS1)

Source: E410108-01

Prepared: 10/11/24 Analyzed: 10/16/24

|                                  |       |        |       |    |      |        |  |  |  |
|----------------------------------|-------|--------|-------|----|------|--------|--|--|--|
| Benzene                          | 2.73  | 0.0250 | 2.50  | ND | 109  | 48-131 |  |  |  |
| Ethylbenzene                     | 2.59  | 0.0250 | 2.50  | ND | 104  | 45-135 |  |  |  |
| Toluene                          | 2.64  | 0.0250 | 2.50  | ND | 106  | 48-130 |  |  |  |
| o-Xylene                         | 2.66  | 0.0250 | 2.50  | ND | 106  | 43-135 |  |  |  |
| p,m-Xylene                       | 5.31  | 0.0500 | 5.00  | ND | 106  | 43-135 |  |  |  |
| Total Xylenes                    | 7.97  | 0.0250 | 7.50  | ND | 106  | 43-135 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.585 |        | 0.500 |    | 117  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.465 |        | 0.500 |    | 93.0 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.544 |        | 0.500 |    | 109  | 70-130 |  |  |  |

Matrix Spike Dup (2441107-MSD1)

Source: E410108-01

Prepared: 10/11/24 Analyzed: 10/16/24

|                                  |       |        |       |    |      |        |      |    |  |
|----------------------------------|-------|--------|-------|----|------|--------|------|----|--|
| Benzene                          | 2.76  | 0.0250 | 2.50  | ND | 111  | 48-131 | 1.42 | 23 |  |
| Ethylbenzene                     | 2.72  | 0.0250 | 2.50  | ND | 109  | 45-135 | 4.78 | 27 |  |
| Toluene                          | 2.72  | 0.0250 | 2.50  | ND | 109  | 48-130 | 2.88 | 24 |  |
| o-Xylene                         | 2.78  | 0.0250 | 2.50  | ND | 111  | 43-135 | 4.27 | 27 |  |
| p,m-Xylene                       | 5.51  | 0.0500 | 5.00  | ND | 110  | 43-135 | 3.71 | 27 |  |
| Total Xylenes                    | 8.29  | 0.0250 | 7.50  | ND | 110  | 43-135 | 3.89 | 27 |  |
| Surrogate: Bromofluorobenzene    | 0.595 |        | 0.500 |    | 119  | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.488 |        | 0.500 |    | 97.5 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.540 |        | 0.500 |    | 108  | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/17/2024 9:19:30AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2441107-BLK1) Prepared: 10/11/24 Analyzed: 10/15/24

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND    | 20.0 |       |  |      |        |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.582 |      | 0.500 |  | 116  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.467 |      | 0.500 |  | 93.3 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.546 |      | 0.500 |  | 109  | 70-130 |  |  |  |

LCS (2441107-BS2) Prepared: 10/11/24 Analyzed: 10/16/24

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 44.9  | 20.0 | 50.0  |  | 89.8 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.594 |      | 0.500 |  | 119  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.484 |      | 0.500 |  | 96.8 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.556 |      | 0.500 |  | 111  | 70-130 |  |  |  |

Matrix Spike (2441107-MS2) Source: E410108-01 Prepared: 10/11/24 Analyzed: 10/16/24

|                                  |       |      |       |    |      |        |  |  |  |
|----------------------------------|-------|------|-------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 45.9  | 20.0 | 50.0  | ND | 91.8 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.594 |      | 0.500 |    | 119  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.467 |      | 0.500 |    | 93.3 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.554 |      | 0.500 |    | 111  | 70-130 |  |  |  |

Matrix Spike Dup (2441107-MSD2) Source: E410108-01 Prepared: 10/11/24 Analyzed: 10/16/24

|                                  |       |      |       |    |      |        |      |    |  |
|----------------------------------|-------|------|-------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 44.7  | 20.0 | 50.0  | ND | 89.4 | 70-130 | 2.69 | 20 |  |
| Surrogate: Bromofluorobenzene    | 0.597 |      | 0.500 |    | 119  | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.470 |      | 0.500 |    | 93.9 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.551 |      | 0.500 |    | 110  | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/17/2024 9:19:30AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2441115-BLK1)            |      |      |      |  | Prepared: 10/11/24 Analyzed: 10/13/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 51.5 |      | 50.0 |  | 103                                   | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2441115-BS1)               |      |      |      |  | Prepared: 10/11/24 Analyzed: 10/13/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 296  | 25.0 | 250  |  | 119                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 54.5 |      | 50.0 |  | 109                                   | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2441115-MS1)      |      |      |      |    | Source: E410109-01 |        | Prepared: 10/11/24 Analyzed: 10/13/24 |  |  |
| Diesel Range Organics (C10-C28) | 288  | 25.0 | 250  | ND | 115                | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 52.4 |      | 50.0 |    | 105                | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2441115-MSD1) |      |      |      |    | Source: E410109-01 |        | Prepared: 10/11/24 Analyzed: 10/13/24 |    |  |
| Diesel Range Organics (C10-C28) | 293  | 25.0 | 250  | ND | 117                | 38-132 | 1.67                                  | 20 |  |
| Surrogate: n-Nonane             | 53.2 |      | 50.0 |    | 106                | 50-200 |                                       |    |  |





QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/17/2024 9:19:30AM |

Anions by EPA 300.0/9056A

Analyst: WF

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

|                                 |      |      |     |      |                                       |        |                                       |    |    |
|---------------------------------|------|------|-----|------|---------------------------------------|--------|---------------------------------------|----|----|
| Blank (2441116-BLK1)            |      |      |     |      | Prepared: 10/11/24 Analyzed: 10/12/24 |        |                                       |    |    |
| Chloride                        | ND   | 20.0 |     |      |                                       |        |                                       |    |    |
| LCS (2441116-BS1)               |      |      |     |      | Prepared: 10/11/24 Analyzed: 10/12/24 |        |                                       |    |    |
| Chloride                        | 259  | 20.0 | 250 |      | 104                                   | 90-110 |                                       |    |    |
| Matrix Spike (2441116-MS1)      |      |      |     |      | Source: E410107-03                    |        | Prepared: 10/11/24 Analyzed: 10/15/24 |    |    |
| Chloride                        | 1180 | 20.0 | 250 | 1010 | 68.7                                  | 80-120 |                                       |    | M4 |
| Matrix Spike Dup (2441116-MSD1) |      |      |     |      | Source: E410107-03                    |        | Prepared: 10/11/24 Analyzed: 10/15/24 |    |    |
| Chloride                        | 1220 | 20.0 | 250 | 1010 | 83.4                                  | 80-120 | 3.06                                  | 20 |    |

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



Definitions and Notes

|                              |                  |                                        |                |
|------------------------------|------------------|----------------------------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/17/24 09:19 |

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



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[illegible]

## Envirotech Analytical Laboratory

Printed: 10/11/2024 9:55:42AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

|         |                         |                 |                            |                |          |
|---------|-------------------------|-----------------|----------------------------|----------------|----------|
| Client: | Matador Resources, LLC. | Date Received:  | 10/11/24 08:00             | Work Order ID: | E410107  |
| Phone:  | (972) 371-5200          | Date Logged In: | 10/10/24 15:39             | Logged In By:  | Noe Soto |
| Email:  | agiovngo@ensolum.com    | Due Date:       | 10/17/24 17:00 (4 day TAT) |                |          |

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Visible whiteout on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Work Order: E410145

Job Number: 23003-0002

Received: 10/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/21/24

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: 10/21/24

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



Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Workorder: E410145  
Date Received: 10/15/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/15/2024 8:00:00AM, under the Project Name: Dagger Lake South Slot 1 ROW to Slot 2.

The analytical test results summarized in this report with the Project Name: Dagger Lake South Slot 1 ROW to Slot 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
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**Raina Schwanz**  
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## Sample Summary

|                                                                             |                                                                                                                        |                             |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/24 12:56 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| FS38 - 4'        | E410145-01A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS39 - 4'        | E410145-02A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS40 - 4'        | E410145-03A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS41 - 4'        | E410145-04A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS42 - 4'        | E410145-05A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS43 - 4'        | E410145-06A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS44 - 4'        | E410145-07A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS45 - 4'        | E410145-08A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS46 - 4'        | E410145-09A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS47 - 4'        | E410145-10A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS48 - 4'        | E410145-11A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS49 - 4'        | E410145-12A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS50 - 4'        | E410145-13A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS51 - 4'        | E410145-14A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS52 - 4'        | E410145-15A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS53 - 4'        | E410145-16A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS54 - 4'        | E410145-17A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS55 - 4'        | E410145-18A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS56 - 4'        | E410145-19A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS57 - 4'        | E410145-20A   | Soil   | 10/10/24 | 10/15/24 | Glass Jar, 2 oz. |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

## FS38 - 4'

## E410145-01

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 100 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 93.6 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 101 %           | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 6360   | 100             | 5           | 10/16/24 | 10/16/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS39 - 4'

E410145-02

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 101 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 92.6 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 99.9 %          | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 3420   | 40.0            | 2           | 10/16/24 | 10/16/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS40 - 4'

E410145-03

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 92.0 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 101 %           | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 3770   | 40.0            | 2           | 10/16/24 | 10/16/24       |       |



## Sample Data

|                                                                             |                                                                                                                        |                                           |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | <b>Reported:</b><br>10/21/2024 12:56:23PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|

## FS41 - 4'

## E410145-04

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 92.5 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 105 %           | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 5730   | 100             | 5           | 10/16/24 | 10/16/24       |       |



## Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:56:23PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

## FS42 - 4'

## E410145-05

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 102 %  | 70-130          |             | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 93.3 % | 70-130          |             | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| Surrogate: n-Nonane                                   | 106 %  | 50-200          |             | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 6920   | 100             | 5           | 10/16/24 | 10/16/24       |       |





Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:56:23PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS43 - 4'

E410145-06

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 98.8 % | 70-130          |             | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 95.8 % | 70-130          |             | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| Surrogate: n-Nonane                                   | 106 %  | 50-200          |             | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 4140   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS44 - 4'

E410145-07

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 101 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 92.4 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 112 %           | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 3750   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS45 - 4'

E410145-08

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 101 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 92.1 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 107 %           | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 4050   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS46 - 4'

E410145-09

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 92.3 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 104 %           | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 3200   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



## Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:56:23PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS47 - 4'

E410145-10

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 103 %  | 70-130          |             | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 92.9 % | 70-130          |             | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| Surrogate: n-Nonane                                   | 104 %  | 50-200          |             | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 3950   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS48 - 4'

E410145-11

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 103 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 92.3 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 105 %           | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 3340   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS49 - 4'

E410145-12

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 103 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 89.3 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 105 %           | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 4290   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS50 - 4'

E410145-13

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442067 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/18/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|                                                       |        | 105 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442067 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/18/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|                                                       |        | 92.4 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442076 |
| Diesel Range Organics (C10-C28)                       | 30.1   | 25.0            | 1        | 10/15/24    | 10/16/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/16/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|                                                       |        | 105 %           | 50-200   | 10/15/24    | 10/16/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442088 |
| Chloride                                              | 3980   | 40.0            | 2        | 10/16/24    | 10/17/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

## FS51 - 4'

## E410145-14

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 104 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 91.9 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | 34.7   | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 116 %           | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 2900   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:56:23PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS52 - 4'

E410145-15

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/19/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/19/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 88.8 %          | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/16/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/16/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 104 %           | 50-200      | 10/15/24 | 10/16/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 3840   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:56:23PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

FS53 - 4'

E410145-16

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/19/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 102 %  | 70-130          |             | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/19/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 89.0 % | 70-130          |             | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| Surrogate: n-Nonane                                   | 108 %  | 50-200          |             | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 3840   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS54 - 4'

E410145-17

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/19/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 103 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/19/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 88.3 %          | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 105 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 3000   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS55 - 4'

E410145-18

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/19/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 103 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/19/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 88.5 %          | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 104 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 2180   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS56 - 4'

E410145-19

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/19/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/19/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 89.5 %          | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 106 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 4970   | 40.0            | 2           | 10/16/24 | 10/17/24       |       |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:56:23PM

FS57 - 4'

E410145-20

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/19/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442067 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/19/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 89.1 %          | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442076 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 112 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442088 |       |
| Chloride                                              | 6470   | 100             | 5           | 10/16/24 | 10/17/24       |       |



## QC Summary Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:56:23PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

## Volatile Organics by EPA 8021B

Analyst: BA

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

## Blank (2442067-BLK1)

Prepared: 10/15/24 Analyzed: 10/18/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 | 7.72 |        | 8.00 |  | 96.4 | 70-130 |  |  |  |

## LCS (2442067-BS1)

Prepared: 10/15/24 Analyzed: 10/18/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.95 | 0.0250 | 5.00 |  | 99.0 | 70-130 |  |  |  |
| Ethylbenzene                        | 5.05 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| Toluene                             | 5.08 | 0.0250 | 5.00 |  | 102  | 70-130 |  |  |  |
| o-Xylene                            | 5.07 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| p,m-Xylene                          | 10.3 | 0.0500 | 10.0 |  | 103  | 70-130 |  |  |  |
| Total Xylenes                       | 15.4 | 0.0250 | 15.0 |  | 102  | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.84 |        | 8.00 |  | 98.0 | 70-130 |  |  |  |

## Matrix Spike (2442067-MS1)

Source: E410145-06

Prepared: 10/15/24 Analyzed: 10/18/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 4.67 | 0.0250 | 5.00 | ND | 93.5 | 54-133 |  |  |  |
| Ethylbenzene                        | 4.76 | 0.0250 | 5.00 | ND | 95.2 | 61-133 |  |  |  |
| Toluene                             | 4.79 | 0.0250 | 5.00 | ND | 95.9 | 61-130 |  |  |  |
| o-Xylene                            | 4.79 | 0.0250 | 5.00 | ND | 95.8 | 63-131 |  |  |  |
| p,m-Xylene                          | 9.70 | 0.0500 | 10.0 | ND | 97.0 | 63-131 |  |  |  |
| Total Xylenes                       | 14.5 | 0.0250 | 15.0 | ND | 96.6 | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.99 |        | 8.00 |    | 99.8 | 70-130 |  |  |  |

## Matrix Spike Dup (2442067-MSD1)

Source: E410145-06

Prepared: 10/15/24 Analyzed: 10/18/24

|                                     |      |        |      |    |     |        |      |    |  |
|-------------------------------------|------|--------|------|----|-----|--------|------|----|--|
| Benzene                             | 5.23 | 0.0250 | 5.00 | ND | 105 | 54-133 | 11.3 | 20 |  |
| Ethylbenzene                        | 5.37 | 0.0250 | 5.00 | ND | 107 | 61-133 | 12.0 | 20 |  |
| Toluene                             | 5.38 | 0.0250 | 5.00 | ND | 108 | 61-130 | 11.6 | 20 |  |
| o-Xylene                            | 5.42 | 0.0250 | 5.00 | ND | 108 | 63-131 | 12.3 | 20 |  |
| p,m-Xylene                          | 10.9 | 0.0500 | 10.0 | ND | 109 | 63-131 | 12.0 | 20 |  |
| Total Xylenes                       | 16.4 | 0.0250 | 15.0 | ND | 109 | 63-131 | 12.1 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 8.01 |        | 8.00 |    | 100 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 12:56:23PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2442067-BLK1) Prepared: 10/15/24 Analyzed: 10/18/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.62 |      | 8.00 |  | 95.3 | 70-130 |  |  |  |

LCS (2442067-BS2) Prepared: 10/15/24 Analyzed: 10/18/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 47.3 | 20.0 | 50.0 |  | 94.6 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.83 |      | 8.00 |  | 97.8 | 70-130 |  |  |  |

Matrix Spike (2442067-MS2) Source: E410145-06 Prepared: 10/15/24 Analyzed: 10/18/24

|                                         |      |      |      |    |      |        |  |  |  |
|-----------------------------------------|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 46.3 | 20.0 | 50.0 | ND | 92.5 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.80 |      | 8.00 |    | 97.5 | 70-130 |  |  |  |

Matrix Spike Dup (2442067-MSD2) Source: E410145-06 Prepared: 10/15/24 Analyzed: 10/18/24

|                                         |      |      |      |    |      |        |      |    |  |
|-----------------------------------------|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 45.1 | 20.0 | 50.0 | ND | 90.2 | 70-130 | 2.53 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.54 |      | 8.00 |    | 94.2 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 12:56:23PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2442076-BLK1)            |      |      |      |  | Prepared: 10/15/24 Analyzed: 10/16/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 55.0 |      | 50.0 |  | 110                                   | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2442076-BS1)               |      |      |      |  | Prepared: 10/15/24 Analyzed: 10/16/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 268  | 25.0 | 250  |  | 107                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 52.1 |      | 50.0 |  | 104                                   | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2442076-MS1)      |      |      |      |    | Source: E410145-06 |        | Prepared: 10/15/24 Analyzed: 10/16/24 |  |  |
| Diesel Range Organics (C10-C28) | 275  | 25.0 | 250  | ND | 110                | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 53.7 |      | 50.0 |    | 107                | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2442076-MSD1) |      |      |      |    | Source: E410145-06 |        | Prepared: 10/15/24 Analyzed: 10/16/24 |    |  |
| Diesel Range Organics (C10-C28) | 277  | 25.0 | 250  | ND | 111                | 38-132 | 0.543                                 | 20 |  |
| Surrogate: n-Nonane             | 55.0 |      | 50.0 |    | 110                | 50-200 |                                       |    |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 12:56:23PM |

Anions by EPA 300.0/9056A

Analyst: IY

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |     |      |                                       |        |                                       |    |    |
|---------------------------------|------|------|-----|------|---------------------------------------|--------|---------------------------------------|----|----|
| Blank (2442088-BLK1)            |      |      |     |      | Prepared: 10/16/24 Analyzed: 10/16/24 |        |                                       |    |    |
| Chloride                        | ND   | 20.0 |     |      |                                       |        |                                       |    |    |
| LCS (2442088-BS1)               |      |      |     |      | Prepared: 10/16/24 Analyzed: 10/16/24 |        |                                       |    |    |
| Chloride                        | 254  | 20.0 | 250 |      | 102                                   | 90-110 |                                       |    |    |
| Matrix Spike (2442088-MS1)      |      |      |     |      | Source: E410145-05                    |        | Prepared: 10/16/24 Analyzed: 10/16/24 |    |    |
| Chloride                        | 6800 | 100  | 250 | 6920 | NR                                    | 80-120 |                                       |    | M4 |
| Matrix Spike Dup (2442088-MSD1) |      |      |     |      | Source: E410145-05                    |        | Prepared: 10/16/24 Analyzed: 10/16/24 |    |    |
| Chloride                        | 6810 | 100  | 250 | 6920 | NR                                    | 80-120 | 0.0756                                | 20 | M4 |

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



Definitions and Notes

|                              |                  |                                        |                |
|------------------------------|------------------|----------------------------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/24 12:56 |

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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





## Chain of Custody

Page 1 of 1

| 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: <u>Bigger Lake South Slot 1 Row 10 Slot 2</u>                                                                                                                                                                                                                                                                                                                                                |              |                                                                        |                   | Address: 3122 National Parks Hwy     |              | <u>E410145</u>      | <u>23003-0002</u> |                                                                                                                                                                                                                                                                                                                     |              |             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |               |            |     |      |   |
| 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                      | BGDOC - NM                          | TCEQ 1005 - TX | RCRA 8 Metals | SDWA       | CWA | RCRA |   |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |                                                                        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               | Compliance | Y   | or   | N |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |                                                                        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               | PWSID #    |     |      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |                                                                        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               | Remarks    |     |      |   |
| 1201                                                                                                                                                                                                                                                                                                                                                                                                  | 10/10/24     | Soil                                                                   | 1                 | <u>E538 - 4'</u>                     |              | 1                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | X                                   |                |               |            |     |      |   |
| 1204                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 39                                   |              | 2                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | X                                   |                |               |            |     |      |   |
| 1206                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 40                                   |              | 3                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | X                                   |                |               |            |     |      |   |
| 1209                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 41                                   |              | 4                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | X                                   |                |               |            |     |      |   |
| 1211                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 42                                   |              | 5                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | X                                   |                |               |            |     |      |   |
| 1213                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 43                                   |              | 6                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | X                                   |                |               |            |     |      |   |
| 1216                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 44                                   |              | 7                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | X                                   |                |               |            |     |      |   |
| 1219                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 45                                   |              | 8                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | X                                   |                |               |            |     |      |   |
| 1221                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 46 <sup>+</sup>                      |              | 9                   |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | X                                   |                |               |            |     |      |   |
| 1224                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 47                                   |              | 10                  |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     | X                                   |                |               |            |     |      |   |
| Additional Instructions: Please CC: <u>cburton@ensolum.com</u> , <u>agiovengo@ensolum.com</u> , <u>chamilton@ensolum.com</u> , <u>iestrella@ensolum.com</u>                                                                                                                                                                                                                                           |              |                                                                        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| 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>Oluwale Aderinto</u>                                                                                                                                                                                                                                                                                                                                                                   |              |                                                                        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date                                                                   | Time              | Received by: (Signature)             |              | Date                | Time              | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <input checked="" type="checkbox"/> Y / N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |              |             |                                     |                                     |                |               |            |     |      |   |
| <u>Oluwale Aderinto</u>                                                                                                                                                                                                                                                                                                                                                                               |              | 10/11/24                                                               | 08:15             | <u>Michelle Gonzales</u>             |              | 10-14-24            | 0930              |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| <u>Michelle Gonzales</u>                                                                                                                                                                                                                                                                                                                                                                              |              | 10-14-24                                                               | 1640              | <u>J.H.</u>                          |              | 10-14-24            | 1640              |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| <u>J.H.</u>                                                                                                                                                                                                                                                                                                                                                                                           |              | 10-14-24                                                               | 2245              | <u>Carth M...</u>                    |              | 10-15-24            | 8:00              |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date                                                                   | Time              | Received by: (Signature)             |              | Date                | Time              |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other                                                                                                                                                                                                                                                                                                                              |              | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |
| Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |                                                                        |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                                                     |              |             |                                     |                                     |                |               |            |     |      |   |





## Chain of Custody

Page 2 of 2

| Client Information                                                                                                                                                                                                                                                                                                                                                                                    |              |                                                                        |                   | Invoice Information                  |              | Lab Use Only        |                 | TAT                                                                                                                                                                                                                                                                                    |              |             |                | State       |                |               |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------|-------------------|--------------------------------------|--------------|---------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|----------------|-------------|----------------|---------------|------|-----|------|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |                                                                        |                   | Company: Ensolum LLC                 |              | Lab WO#             |                 | 1D 2D 3D Std                                                                                                                                                                                                                                                                           |              |             |                | NM CO UT TX |                |               |      |     |      |
| Project: <u>Baggers Lake South Slot 1 Road to Slot 2</u>                                                                                                                                                                                                                                                                                                                                              |              |                                                                        |                   | Address: 3122 National Parks Hwy     |              | E 410145            |                 | Job Number                                                                                                                                                                                                                                                                             |              |             |                | 23003-0002  |                |               |      |     |      |
| Project Manager: Ashley Giovengo                                                                                                                                                                                                                                                                                                                                                                      |              |                                                                        |                   | City, State, Zip: Carlsbad NM, 88220 |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| Address: 3122 National Parks Hwy                                                                                                                                                                                                                                                                                                                                                                      |              |                                                                        |                   | Phone: 575-988-0055                  |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| City, State, Zip: Carlsbad NM, 88220                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | Email: agiovengo@ensolum.com         |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| Phone: 575-988-0055                                                                                                                                                                                                                                                                                                                                                                                   |              |                                                                        |                   | Miscellaneous:                       |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| Email: agiovengo@ensolum.com                                                                                                                                                                                                                                                                                                                                                                          |              |                                                                        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| Sample Information                                                                                                                                                                                                                                                                                                                                                                                    |              |                                                                        |                   |                                      |              | Analysis and Method |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                | EPA Program   |      |     |      |
| Time Sampled                                                                                                                                                                                                                                                                                                                                                                                          | Date Sampled | Matrix                                                                 | No. of Containers | Sample ID                            | Field Filter | Lab Number          | DRO/ORO by 8015 | GRO/DRO by 8015                                                                                                                                                                                                                                                                        | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | BGDOC - NM  | TCEQ 1005 - TX | RCRA 8 Metals | SDWA | CWA | RCRA |
| 1226                                                                                                                                                                                                                                                                                                                                                                                                  | 10/10/24     | Soil                                                                   | 1                 | FS 48 - 4'                           |              | 11                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1228                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 49                                   |              | 12                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1230                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 50                                   |              | 13                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1233                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 51                                   |              | 14                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1235                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 52                                   |              | 15                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1237                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 53                                   |              | 16                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1239                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 54                                   |              | 17                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1241                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 55                                   |              | 18                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1244                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 56 <sup>+</sup>                      |              | 19                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1246                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 57                                   |              | 20                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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>Is Oluwale Aderinto</u>                                                                                                                                                                                                                                                                                                                                                                |              |                                                                        |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date                                                                   | Time              | Received by: (Signature)             |              | Date                | Time            | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <u>(X) N</u><br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |              |             |                |             |                |               |      |     |      |
| <u>Oluwale Aderinto</u>                                                                                                                                                                                                                                                                                                                                                                               |              | 10/11/24                                                               | 08:15             | <u>Michelle Gonzales</u>             |              | 10-14-24            | 0930            |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| <u>Michelle Gonzales</u>                                                                                                                                                                                                                                                                                                                                                                              |              | 10/14/24                                                               | 1640              | <u>J.H.</u>                          |              | 10-14-24            | 1640            |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| <u>J.H.</u>                                                                                                                                                                                                                                                                                                                                                                                           |              | 10-14-24                                                               | 2245              | <u>Carla Mae</u>                     |              | 10-15-24            | 8200            |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| 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: 10/15/2024 10:24:15AM

## 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:  | 10/15/24 08:00             | Work Order ID: | E410145  |
| Phone:  | (972) 371-5200          | Date Logged In: | 10/14/24 16:06             | Logged In By:  | Noe Soto |
| Email:  | agiovngo@ensolum.com    | Due Date:       | 10/21/24 17:00 (4 day TAT) |                |          |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

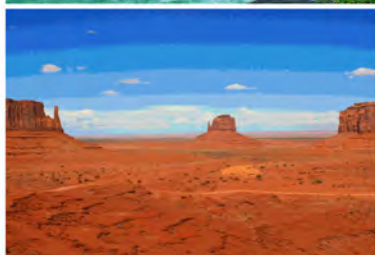


envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Work Order: E410146

Job Number: 23003-0002

Received: 10/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/21/24

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: 10/21/24

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



Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Workorder: E410146  
Date Received: 10/15/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/15/2024 8:00:00AM, under the Project Name: Dagger Lake South Slot 1 ROW to Slot 2.

The analytical test results summarized in this report with the Project Name: Dagger Lake South Slot 1 ROW to Slot 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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## Sample Summary

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/24 12:50

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| SW02 - 0 - 4'    | E410146-01A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW09 - 0 - 4'    | E410146-02A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW15 - 0 - 4'    | E410146-03A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW16 - 0 - 4'    | E410146-04A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW17 - 0 - 4'    | E410146-05A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW18 - 0 - 4'    | E410146-06A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW22 - 0 - 4'    | E410146-07A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW23 - 0 - 4'    | E410146-08A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW24 - 0 - 4'    | E410146-09A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW25 - 0 - 4'    | E410146-10A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW26 - 0 - 4'    | E410146-11A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW27 - 0 - 4'    | E410146-12A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW28 - 0 - 4'    | E410146-13A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW29 - 0 - 4'    | E410146-14A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW30 - 0 - 4'    | E410146-15A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW31 - 0 - 4'    | E410146-16A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW32 - 0 - 4'    | E410146-17A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW33 - 0 - 4'    | E410146-18A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW34 - 0 - 4'    | E410146-19A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW35 - 0 - 4'    | E410146-20A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |





## Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:50:50PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW02 - 0 - 4'

E410146-01

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   | 102 %  | 70-130          |             | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               | 94.3 % | 70-130          |             | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| Surrogate: n-Nonane                                   | 107 %  | 50-200          |             | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 84.7   | 20.0            | 1           | 10/16/24 | 10/16/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW09 - 0 - 4'

E410146-02

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 103 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 94.5 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 112 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 26.0   | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW15 - 0 - 4'

E410146-03

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 94.0 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 111 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 39.2   | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW16 - 0 - 4'

E410146-04

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 103 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 94.2 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 108 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 50.3   | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:50:50PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW17 - 0 - 4'  
E410146-05

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 103 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 93.4 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 108 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 23.3   | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:50:50PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW18 - 0 - 4'  
E410146-06

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 93.4 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 109 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 50.0   | 20.0            | 1           | 10/16/24 | 10/16/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:50:50PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW22 - 0 - 4'  
E410146-07

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               |        | 93.5 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| Surrogate: n-Nonane                                   |        | 110 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | ND     | 20.0            | 1           | 10/16/24 | 10/17/24       |       |





Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:50:50PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW23 - 0 - 4'  
E410146-08

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 4-Bromochlorobenzene-PID                   |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: 1-Chloro-4-fluorobenzene-FID               |        | 93.4 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| Surrogate: n-Nonane                                   |        | 111 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | ND     | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:50:50PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW24 - 0 - 4'  
E410146-09

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 103 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 94.4 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 109 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 215    | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW25 - 0 - 4'

E410146-10

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 103 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 94.4 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 110 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 158    | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW26 - 0 - 4'

E410146-11

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 103 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 94.5 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 113 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 354    | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW27 - 0 - 4'

E410146-12

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 93.6 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 109 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | ND     | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW28 - 0 - 4'

E410146-13

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 94.2 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 110 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 145    | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



Sample Data

|                                                                             |                                                                                                                        |                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 12:50:50PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------|

SW29 - 0 - 4'  
E410146-14

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 94.1 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 110 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | ND     | 20.0            | 1           | 10/16/24 | 10/17/24       |       |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW30 - 0 - 4'

E410146-15

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 93.8 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 112 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 39.6   | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW31 - 0 - 4'

E410146-16

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 101 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 93.4 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 108 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 45.1   | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW32 - 0 - 4'

E410146-17

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442070 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/18/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|                                                       |        | 100 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442070 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/18/24 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|                                                       |        | 94.1 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442077 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|                                                       |        | 106 %           | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442089 |
| Chloride                                              | 262    | 20.0            | 1        | 10/16/24    | 10/17/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW33 - 0 - 4'

E410146-18

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 101 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 94.7 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 106 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 127    | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW34 - 0 - 4'

E410146-19

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 102 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 96.7 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 107 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 180    | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 12:50:50PM

SW35 - 0 - 4'

E410146-20

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |             |          |                |       |
|                                                       |        | 100 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442070 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |             |          |                |       |
|                                                       |        | 95.0 %          | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442077 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |             |          |                |       |
|                                                       |        | 115 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442089 |       |
| Chloride                                              | 57.9   | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 12:50:50PM |

Volatile Organics by EPA 8021B

Analyst: BA

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2442070-BLK1) Prepared: 10/15/24 Analyzed: 10/18/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| 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 | 7.94 |        | 8.00 |  | 99.3 | 70-130 |  |  |  |

LCS (2442070-BS1) Prepared: 10/15/24 Analyzed: 10/18/24

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.95 | 0.0250 | 5.00 |  | 98.9 | 70-130 |  |  |  |
| Ethylbenzene                        | 5.02 | 0.0250 | 5.00 |  | 100  | 70-130 |  |  |  |
| Toluene                             | 5.05 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| o-Xylene                            | 5.04 | 0.0250 | 5.00 |  | 101  | 70-130 |  |  |  |
| p,m-Xylene                          | 10.2 | 0.0500 | 10.0 |  | 102  | 70-130 |  |  |  |
| Total Xylenes                       | 15.3 | 0.0250 | 15.0 |  | 102  | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 8.06 |        | 8.00 |  | 101  | 70-130 |  |  |  |

Matrix Spike (2442070-MS1) Source: E410146-09 Prepared: 10/15/24 Analyzed: 10/18/24

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 4.89 | 0.0250 | 5.00 | ND | 97.8 | 54-133 |  |  |  |
| Ethylbenzene                        | 4.98 | 0.0250 | 5.00 | ND | 99.6 | 61-133 |  |  |  |
| Toluene                             | 5.01 | 0.0250 | 5.00 | ND | 100  | 61-130 |  |  |  |
| o-Xylene                            | 5.02 | 0.0250 | 5.00 | ND | 100  | 63-131 |  |  |  |
| p,m-Xylene                          | 10.2 | 0.0500 | 10.0 | ND | 102  | 63-131 |  |  |  |
| Total Xylenes                       | 15.2 | 0.0250 | 15.0 | ND | 101  | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 8.08 |        | 8.00 |    | 101  | 70-130 |  |  |  |

Matrix Spike Dup (2442070-MSD1) Source: E410146-09 Prepared: 10/15/24 Analyzed: 10/18/24

|                                     |      |        |      |    |      |        |      |    |  |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene                             | 4.98 | 0.0250 | 5.00 | ND | 99.5 | 54-133 | 1.81 | 20 |  |
| Ethylbenzene                        | 5.09 | 0.0250 | 5.00 | ND | 102  | 61-133 | 2.08 | 20 |  |
| Toluene                             | 5.10 | 0.0250 | 5.00 | ND | 102  | 61-130 | 1.87 | 20 |  |
| o-Xylene                            | 5.12 | 0.0250 | 5.00 | ND | 102  | 63-131 | 2.04 | 20 |  |
| p,m-Xylene                          | 10.3 | 0.0500 | 10.0 | ND | 103  | 63-131 | 1.77 | 20 |  |
| Total Xylenes                       | 15.5 | 0.0250 | 15.0 | ND | 103  | 63-131 | 1.86 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 8.12 |        | 8.00 |    | 102  | 70-130 |      |    |  |





QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 12:50:50PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2442070-BLK1) Prepared: 10/15/24 Analyzed: 10/18/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.57 |      | 8.00 |  | 94.6 | 70-130 |  |  |  |

LCS (2442070-BS2) Prepared: 10/15/24 Analyzed: 10/18/24

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 46.3 | 20.0 | 50.0 |  | 92.6 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.73 |      | 8.00 |  | 96.6 | 70-130 |  |  |  |

Matrix Spike (2442070-MS2) Source: E410146-09 Prepared: 10/15/24 Analyzed: 10/18/24

|                                         |      |      |      |    |      |        |  |  |  |
|-----------------------------------------|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 48.4 | 20.0 | 50.0 | ND | 96.7 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.76 |      | 8.00 |    | 96.9 | 70-130 |  |  |  |

Matrix Spike Dup (2442070-MSD2) Source: E410146-09 Prepared: 10/15/24 Analyzed: 10/18/24

|                                         |      |      |      |    |      |        |      |    |  |
|-----------------------------------------|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 49.0 | 20.0 | 50.0 | ND | 98.0 | 70-130 | 1.29 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.88 |      | 8.00 |    | 98.5 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 12:50:50PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2442077-BLK1)            |      |      |      |  | Prepared: 10/15/24 Analyzed: 10/17/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 59.6 |      | 50.0 |  | 119                                   | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2442077-BS1)               |      |      |      |  | Prepared: 10/15/24 Analyzed: 10/17/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 292  | 25.0 | 250  |  | 117                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 57.8 |      | 50.0 |  | 116                                   | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2442077-MS1)      |      |      |      |    | Source: E410146-07 |        | Prepared: 10/15/24 Analyzed: 10/17/24 |  |  |
| Diesel Range Organics (C10-C28) | 274  | 25.0 | 250  | ND | 110                | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 53.8 |      | 50.0 |    | 108                | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2442077-MSD1) |      |      |      |    | Source: E410146-07 |        | Prepared: 10/15/24 Analyzed: 10/17/24 |    |  |
| Diesel Range Organics (C10-C28) | 278  | 25.0 | 250  | ND | 111                | 38-132 | 1.21                                  | 20 |  |
| Surrogate: n-Nonane             | 55.5 |      | 50.0 |    | 111                | 50-200 |                                       |    |  |



QC Summary Data

|                              |                  |                                        |                       |
|------------------------------|------------------|----------------------------------------|-----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:             |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                       |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 12:50:50PM |

Anions by EPA 300.0/9056A

Analyst: IY

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |     |      |     |      |                                       |        |                                       |    |  |
|---------------------------------|-----|------|-----|------|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2442089-BLK1)            |     |      |     |      | Prepared: 10/16/24 Analyzed: 10/16/24 |        |                                       |    |  |
| Chloride                        | ND  | 20.0 |     |      |                                       |        |                                       |    |  |
| LCS (2442089-BS1)               |     |      |     |      | Prepared: 10/16/24 Analyzed: 10/16/24 |        |                                       |    |  |
| Chloride                        | 253 | 20.0 | 250 |      | 101                                   | 90-110 |                                       |    |  |
| Matrix Spike (2442089-MS1)      |     |      |     |      | Source: E410146-06                    |        | Prepared: 10/16/24 Analyzed: 10/16/24 |    |  |
| Chloride                        | 307 | 20.0 | 250 | 50.0 | 103                                   | 80-120 |                                       |    |  |
| Matrix Spike Dup (2442089-MSD1) |     |      |     |      | Source: E410146-06                    |        | Prepared: 10/16/24 Analyzed: 10/16/24 |    |  |
| Chloride                        | 308 | 20.0 | 250 | 50.0 | 103                                   | 80-120 | 0.259                                 | 20 |  |

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



Definitions and Notes

|                              |                  |                                        |                |
|------------------------------|------------------|----------------------------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/24 12:50 |

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

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

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



## Chain of Custody

Page 1 of 1

| Client Information                                                                                                                                                                                                                                                                                                                                                                                    |              |                 |                   | Invoice Information                  |              | Lab Use Only        |                   | TAT                                                                                                                                                                                                                                                                                  |              |             |                                     | State                               |                |               |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|-------------------|--------------------------------------|--------------|---------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|-------------------------------------|-------------------------------------|----------------|---------------|------|-----|------|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |                 |                   | Company: Ensolum LLC                 |              | Lab WO#             | Job Number        | 1D                                                                                                                                                                                                                                                                                   | 2D           | 3D          | Std                                 | NM                                  | CO             | UT            | TX   |     |      |
| Project: <u>Boggs Lake South Slot 1 Row to Slot 2</u>                                                                                                                                                                                                                                                                                                                                                 |              |                 |                   | Address: 3122 National Parks Hwy     |              | <u>E410146</u>      | <u>23003.0002</u> |                                                                                                                                                                                                                                                                                      |              |             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                |               |      |     |      |
| Project Manager: Ashley Giovengo                                                                                                                                                                                                                                                                                                                                                                      |              |                 |                   | City, State, Zip: Carlsbad NM, 88220 |              |                     |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Address: 3122 National Parks Hwy                                                                                                                                                                                                                                                                                                                                                                      |              |                 |                   | Phone: 575-988-0055                  |              |                     |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| City, State, Zip: Carlsbad NM, 88220                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | Email: agiovengo@ensolum.com         |              |                     |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Phone: 575-988-0055                                                                                                                                                                                                                                                                                                                                                                                   |              |                 |                   | Miscellaneous:                       |              |                     |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Email: agiovengo@ensolum.com                                                                                                                                                                                                                                                                                                                                                                          |              |                 |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Sample Information                                                                                                                                                                                                                                                                                                                                                                                    |              |                 |                   |                                      |              | Analysis and Method |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | EPA Program                         |                |               |      |     |      |
| Time Sampled                                                                                                                                                                                                                                                                                                                                                                                          | Date Sampled | Matrix          | No. of Containers | Sample ID                            | Field Filter | Lab Number          | DRO/ORO by 8015   | GRO/DRO by 8015                                                                                                                                                                                                                                                                      | BTEX by 8021 | VOC by 8260 | Chloride 300.0                      | BGDOC - NM                          | TCEQ 1005 - TX | RCRA 8 Metals | SDWA | CWA | RCRA |
| 0850                                                                                                                                                                                                                                                                                                                                                                                                  | 10/11/24     | Soil            | 1                 | SW 02 - 0-4'                         |              | 1                   |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 0852                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 09                                   |              | 2                   |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 0857                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 15                                   |              | 3                   |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 0951                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 16                                   |              | 4                   |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 0901                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 17                                   |              | 5                   |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 0938                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 18                                   |              | 6                   |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1513                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 22                                   |              | 7                   |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1514                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 23                                   |              | 8                   |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1516                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 24 *                                 |              | 9                   |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| 1518                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 25                                   |              | 10                  |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     | X                                   |                |               |      |     |      |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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 E / Oluwale A.</u>                                                                                                                                                                                                                                                                                                                                                              |              |                 |                   |                                      |              |                     |                   |                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date            | Time              | Received by: (Signature)             |              | Date                | Time              | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <u>Y</u> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |              |             |                                     |                                     |                |               |      |     |      |
| <u>Oluwale Aderinto</u>                                                                                                                                                                                                                                                                                                                                                                               |              | <u>10/14/24</u> | <u>08:15</u>      | <u>Michelle Gonzales</u>             |              | <u>10-14-24</u>     | <u>0815</u>       |                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| <u>Michelle Gonzales</u>                                                                                                                                                                                                                                                                                                                                                                              |              | <u>10-14-24</u> | <u>1640</u>       | <u>J.H.</u>                          |              | <u>10-14-24</u>     | <u>1640</u>       |                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| <u>J.H.</u>                                                                                                                                                                                                                                                                                                                                                                                           |              | <u>10-14-24</u> | <u>2245</u>       | <u>Cathy Moore</u>                   |              | <u>10-15-24</u>     | <u>8:00</u>       |                                                                                                                                                                                                                                                                                      |              |             |                                     |                                     |                |               |      |     |      |
| 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

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| Client Information                                                                                                                                                                                                                                                                                                                                                                                    |              |          |                   | Invoice Information                  |              | Lab Use Only        |                 | TAT                                                                                                                                                                                                                                                                                    |              |             |                | State       |                |               |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|-------------------|--------------------------------------|--------------|---------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|----------------|-------------|----------------|---------------|------|-----|------|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |          |                   | Company: Ensolum LLC                 |              | Lab WO#             |                 | 1D 2D 3D Std                                                                                                                                                                                                                                                                           |              |             |                | NM CO UT TX |                |               |      |     |      |
| Project: <u>Buggerb Lake South Slot 1 PDW</u>                                                                                                                                                                                                                                                                                                                                                         |              |          |                   | Address: 3122 National Parks Hwy     |              | E 410146            |                 | Job Number                                                                                                                                                                                                                                                                             |              |             |                | 25003.0002  |                |               |      |     |      |
| Project Manager: Ashley Giovengo                                                                                                                                                                                                                                                                                                                                                                      |              |          |                   | City, State, Zip: Carlsbad NM, 88220 |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| Address: 3122 National Parks Hwy                                                                                                                                                                                                                                                                                                                                                                      |              |          |                   | Phone: 575-988-0055                  |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| City, State, Zip: Carlsbad NM, 88220                                                                                                                                                                                                                                                                                                                                                                  |              |          |                   | Email: agiovengo@ensolum.com         |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| Phone: 575-988-0055                                                                                                                                                                                                                                                                                                                                                                                   |              |          |                   | Miscellaneous:                       |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| Email: agiovengo@ensolum.com                                                                                                                                                                                                                                                                                                                                                                          |              |          |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| Sample Information                                                                                                                                                                                                                                                                                                                                                                                    |              |          |                   |                                      |              | Analysis and Method |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                | EPA Program   |      |     |      |
| Time Sampled                                                                                                                                                                                                                                                                                                                                                                                          | Date Sampled | Matrix   | No. of Containers | Sample ID                            | Field Filter | Lab Number          | DRO/DRO by 8015 | GRO/DRO by 8015                                                                                                                                                                                                                                                                        | BTEX by 8021 | VOC by 8260 | Chloride 300.0 | BGDOC - NM  | TCEQ 1005 - TX | RCRA 8 Metals | SDWA | CWA | RCRA |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |          |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| 1317                                                                                                                                                                                                                                                                                                                                                                                                  | 10/11/24     | Soil     | 1                 | SW 26 - 0 - 4'                       |              | 11                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1319                                                                                                                                                                                                                                                                                                                                                                                                  |              |          |                   | 27                                   |              | 12                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1321                                                                                                                                                                                                                                                                                                                                                                                                  |              |          |                   | 28                                   |              | 13                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1322                                                                                                                                                                                                                                                                                                                                                                                                  |              |          |                   | 29                                   |              | 14                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1324                                                                                                                                                                                                                                                                                                                                                                                                  |              |          |                   | 30                                   |              | 15                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1338                                                                                                                                                                                                                                                                                                                                                                                                  |              |          |                   | 31                                   |              | 16                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1527                                                                                                                                                                                                                                                                                                                                                                                                  |              |          |                   | 32                                   |              | 17                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1533                                                                                                                                                                                                                                                                                                                                                                                                  |              |          |                   | 33                                   |              | 18                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1345                                                                                                                                                                                                                                                                                                                                                                                                  |              |          |                   | 34 *                                 |              | 19                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| 1347                                                                                                                                                                                                                                                                                                                                                                                                  |              |          |                   | 35                                   |              | 20                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X           |                |               |      |     |      |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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 E. Oluwale A.</u>                                                                                                                                                                                                                                                                                                                                                               |              |          |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date     | Time              | Received by: (Signature)             |              | Date                | Time            | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <u>(Y)</u> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |              |             |                |             |                |               |      |     |      |
| <u>Oluwale Aderinto</u>                                                                                                                                                                                                                                                                                                                                                                               |              | 10/14/24 | 08:15             | <u>Michelle Gonzales</u>             |              | 10-14-24            | 0815            |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| <u>Michelle Gonzales</u>                                                                                                                                                                                                                                                                                                                                                                              |              | 10-14-24 | 1640              | <u>L.H.</u>                          |              | 10-14-24            | 1640            |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| <u>L.H.</u>                                                                                                                                                                                                                                                                                                                                                                                           |              | 10-14-24 | 2245              | <u>Carthage</u>                      |              | 10-15-24            | 8:00            |                                                                                                                                                                                                                                                                                        |              |             |                |             |                |               |      |     |      |
| 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: 10/15/2024 10:27:56AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

|         |                         |                 |                            |                |          |
|---------|-------------------------|-----------------|----------------------------|----------------|----------|
| Client: | Matador Resources, LLC. | Date Received:  | 10/15/24 08:00             | Work Order ID: | E410146  |
| Phone:  | (972) 371-5200          | Date Logged In: | 10/14/24 16:41             | Logged In By:  | Noe Soto |
| Email:  | agiovngo@ensolum.com    | Due Date:       | 10/21/24 17:00 (4 day TAT) |                |          |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

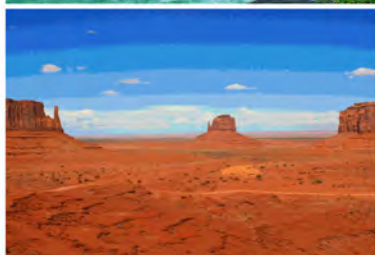


envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Dagger Lake South Slot 1 ROW to Slot 2

Work Order: E410147

Job Number: 23003-0002

Received: 10/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/21/24

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: 10/21/24

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



Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Workorder: E410147  
Date Received: 10/15/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/15/2024 8:00:00AM, under the Project Name: Dagger Lake South Slot 1 ROW to Slot 2.

The analytical test results summarized in this report with the Project Name: Dagger Lake South Slot 1 ROW to Slot 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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## Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Dagger Lake South Slot 1 ROW to Slot 2

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

10/21/24 16:14

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| SW36 - 0 - 4'    | E410147-01A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW37 - 0 - 4'    | E410147-02A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW38 - 0 - 4'    | E410147-03A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW39 - 0 - 4'    | E410147-04A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW40 - 0 - 4'    | E410147-05A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW41 - 0 - 4'    | E410147-06A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW42 - 0 - 4'    | E410147-07A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW43 - 0 - 4'    | E410147-08A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| SW44 - 0 - 4'    | E410147-09A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS58 - 4'        | E410147-10A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS59 - 4'        | E410147-11A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS60 - 4'        | E410147-12A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS61 - 4'        | E410147-13A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS62 - 4'        | E410147-14A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS63 - 4'        | E410147-15A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS64 - 4'        | E410147-16A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS65 - 4'        | E410147-17A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS66 - 4'        | E410147-18A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS67 - 4'        | E410147-19A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS68 - 4'        | E410147-20A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS69 - 4'        | E410147-21A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS70 - 4'        | E410147-22A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS71 - 4'        | E410147-23A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS72 - 4'        | E410147-24A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS73 - 4'        | E410147-25A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS74 - 4'        | E410147-26A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS75 - 4'        | E410147-27A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS76 - 4'        | E410147-28A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS77 - 4'        | E410147-29A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |
| FS78 - 4'        | E410147-30A   | Soil   | 10/11/24 | 10/15/24 | Glass Jar, 2 oz. |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

SW36 - 0 - 4'

E410147-01

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.7 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.7 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 97.8 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 117    | 20.0            | 1        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

SW37 - 0 - 4'

E410147-02

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.9 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.9 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 97.8 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 25.1   | 20.0            | 1        | 10/16/24    | 10/18/24 |                |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

SW38 - 0 - 4'

E410147-03

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.9 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.9 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 96.5 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 69.6   | 20.0            | 1        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

SW39 - 0 - 4'

E410147-04

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 100 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 103 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 100 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 103 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 99.4 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 103    | 20.0            | 1        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

SW40 - 0 - 4'

E410147-05

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.5 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.5 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 98.7 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 112    | 20.0            | 1        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

SW41 - 0 - 4'

E410147-06

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 113 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.4 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 113 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.4 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 96.6 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 272    | 20.0            | 1        | 10/16/24    | 10/18/24 |                |



Sample Data

|                                                                             |                                                                                                                        |                                   |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 4:14:38PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|

SW42 - 0 - 4'  
E410147-07

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442071 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/19/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.5 %          | 70-130      | 10/15/24 | 10/19/24       |       |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442071 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/19/24       |       |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.5 %          | 70-130      | 10/15/24 | 10/19/24       |       |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: AF |          | Batch: 2442078 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| Surrogate: n-Nonane                                   |        | 98.2 %          | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: WF |          | Batch: 2442090 |       |
| Chloride                                              | 368    | 20.0            | 1           | 10/16/24 | 10/17/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

SW43 - 0 - 4'

E410147-08

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 114 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.4 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 114 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.4 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 103 %           | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 84.7   | 20.0            | 1        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

SW44 - 0 - 4'

E410147-09

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 114 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 93.4 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 114 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 93.4 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 104 %           | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 33.4   | 20.0            | 1        | 10/16/24    | 10/18/24 |                |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS58 - 4'

E410147-10

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.6 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.6 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | 38.0   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 99.3 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 4450   | 40.0            | 2        | 10/16/24    | 10/18/24 |                |



Sample Data

|                                                                             |                                                                                                                        |                                   |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 4:14:38PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|

FS59 - 4'

E410147-11

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442071 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/19/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/19/24       |       |
| Surrogate: Bromofluorobenzene                         |        | 118 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.9 %          | 70-130      | 10/15/24 | 10/19/24       |       |
| Surrogate: Toluene-d8                                 |        | 110 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442071 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/19/24       |       |
| Surrogate: Bromofluorobenzene                         |        | 118 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.9 %          | 70-130      | 10/15/24 | 10/19/24       |       |
| Surrogate: Toluene-d8                                 |        | 110 %           | 70-130      | 10/15/24 | 10/19/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: AF |          | Batch: 2442078 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| Surrogate: n-Nonane                                   |        | 102 %           | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: WF |          | Batch: 2442090 |       |
| Chloride                                              | 5480   | 100             | 5           | 10/16/24 | 10/18/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS60 - 4'

E410147-12

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.3 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.3 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 93.7 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 5690   | 100             | 5        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

## FS61 - 4'

## E410147-13

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.4 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.4 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | 63.1   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 96.8 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 3870   | 40.0            | 2        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

## FS62 - 4'

## E410147-14

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.6 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 98.6 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | 52.0   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 95.9 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 2110   | 20.0            | 1        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS63 - 4'

E410147-15

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.5 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.5 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 96.9 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 3680   | 40.0            | 2        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

## FS64 - 4'

## E410147-16

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.2 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.2 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | 55.8   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 101 %           | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 2510   | 20.0            | 1        | 10/16/24    | 10/18/24 |                |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS65 - 4'

E410147-17

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.3 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.3 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | 33.9   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 99.0 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 3200   | 40.0            | 2        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS66 - 4'

E410147-18

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.7 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.7 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | 95.4   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | 51.3   | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 104 %           | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 4710   | 40.0            | 2        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS67 - 4'

E410147-19

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.8 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.8 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | 85.0   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | 50.6   | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 100 %           | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 4700   | 40.0            | 2        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

## FS68 - 4'

## E410147-20

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.9 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442071 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.9 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 106 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: AF |          | Batch: 2442078 |
| Diesel Range Organics (C10-C28)                       | 126    | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | 77.8   | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 102 %           | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: WF |          | Batch: 2442090 |
| Chloride                                              | 4290   | 40.0            | 2        | 10/16/24    | 10/18/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS69 - 4'

E410147-21

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/18/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.1 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 110 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 95.1 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 110 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442079 |
| Diesel Range Organics (C10-C28)                       | 30.4   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 97.6 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442092 |
| Chloride                                              | 3700   | 40.0            | 2        | 10/16/24    | 10/16/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS70 - 4'

E410147-22

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/18/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.6 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 97.6 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442079 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 98.8 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442092 |
| Chloride                                              | 858    | 20.0            | 1        | 10/16/24    | 10/16/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS71 - 4'

E410147-23

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/18/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.3 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.3 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 109 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442079 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 95.3 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442092 |
| Chloride                                              | 2110   | 20.0            | 1        | 10/16/24    | 10/16/24 |                |





## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS72 - 4'

E410147-24

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/18/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.8 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.8 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442079 |
| Diesel Range Organics (C10-C28)                       | 35.9   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 98.8 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442092 |
| Chloride                                              | 3120   | 40.0            | 2        | 10/16/24    | 10/16/24 |                |



Sample Data

|                                                                             |                                                                                                                        |                                   |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 4:14:38PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|

FS73 - 4'

E410147-25

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442069 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 10/15/24 | 10/18/24       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 101 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: BA |          | Batch: 2442069 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 10/15/24 | 10/18/24       |       |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 101 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130      | 10/15/24 | 10/18/24       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2442079 |       |
| Diesel Range Organics (C10-C28)                       | 49.4   | 25.0            | 1           | 10/15/24 | 10/17/24       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 10/15/24 | 10/17/24       |       |
| Surrogate: n-Nonane                                   |        | 90.1 %          | 50-200      | 10/15/24 | 10/17/24       |       |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |             |          |                |       |
|                                                       | mg/kg  | mg/kg           | Analyst: IY |          | Batch: 2442092 |       |
| Chloride                                              | 5070   | 40.0            | 2           | 10/16/24 | 10/16/24       |       |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS74 - 4'

E410147-26

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/18/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 120 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.3 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 120 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.3 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442079 |
| Diesel Range Organics (C10-C28)                       | 91.5   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 90.7 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442092 |
| Chloride                                              | 3510   | 40.0            | 2        | 10/16/24    | 10/16/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS75 - 4'

E410147-27

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/18/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.3 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 117 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 94.3 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442079 |
| Diesel Range Organics (C10-C28)                       | 271    | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | 126    | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 94.5 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442092 |
| Chloride                                              | 2450   | 40.0            | 2        | 10/16/24    | 10/16/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS76 - 4'

E410147-28

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/18/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.2 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/18/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 115 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 96.2 %          | 70-130   | 10/15/24    | 10/18/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/18/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442079 |
| Diesel Range Organics (C10-C28)                       | 64.8   | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 101 %           | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442092 |
| Chloride                                              | 2400   | 40.0            | 2        | 10/16/24    | 10/16/24 |                |



## Sample Data

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

Project Name: Dagger Lake South Slot 1 ROW to Slot 2  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/21/2024 4:14:38PM

FS77 - 4'

E410147-29

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 118 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.5 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 118 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 99.5 %          | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 107 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442079 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 96.2 %          | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442092 |
| Chloride                                              | 663    | 20.0            | 1        | 10/16/24    | 10/16/24 |                |



## Sample Data

|                                                                             |                                                                                                                        |                                   |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>10/21/2024 4:14:38PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|

## FS78 - 4'

## E410147-30

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Benzene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 10/15/24    | 10/19/24 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 103 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: BA |          | Batch: 2442069 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 10/15/24    | 10/19/24 |                |
| Surrogate: Bromofluorobenzene                         |        | 116 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 103 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| Surrogate: Toluene-d8                                 |        | 108 %           | 70-130   | 10/15/24    | 10/19/24 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2442079 |
| Diesel Range Organics (C10-C28)                       | 190    | 25.0            | 1        | 10/15/24    | 10/17/24 |                |
| Oil Range Organics (C28-C36)                          | 87.0   | 50.0            | 1        | 10/15/24    | 10/17/24 |                |
| Surrogate: n-Nonane                                   |        | 102 %           | 50-200   | 10/15/24    | 10/17/24 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: IY |          | Batch: 2442092 |
| Chloride                                              | 1760   | 20.0            | 1        | 10/16/24    | 10/16/24 |                |





QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 4:14:38PM |

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

Blank (2442069-BLK1) Prepared: 10/15/24 Analyzed: 10/17/24

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| 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    | 0.572 |        | 0.500 |  | 114  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.477 |        | 0.500 |  | 95.4 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.541 |        | 0.500 |  | 108  | 70-130 |  |  |  |

LCS (2442069-BS1) Prepared: 10/15/24 Analyzed: 10/17/24

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene                          | 2.69  | 0.0250 | 2.50  |  | 107  | 70-130 |  |  |  |
| Ethylbenzene                     | 2.54  | 0.0250 | 2.50  |  | 102  | 70-130 |  |  |  |
| Toluene                          | 2.57  | 0.0250 | 2.50  |  | 103  | 70-130 |  |  |  |
| o-Xylene                         | 2.61  | 0.0250 | 2.50  |  | 104  | 70-130 |  |  |  |
| p,m-Xylene                       | 5.19  | 0.0500 | 5.00  |  | 104  | 70-130 |  |  |  |
| Total Xylenes                    | 7.80  | 0.0250 | 7.50  |  | 104  | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.587 |        | 0.500 |  | 117  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.492 |        | 0.500 |  | 98.3 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.536 |        | 0.500 |  | 107  | 70-130 |  |  |  |

Matrix Spike (2442069-MS1) Source: E410143-07 Prepared: 10/15/24 Analyzed: 10/18/24

|                                  |       |        |       |    |      |        |  |  |  |
|----------------------------------|-------|--------|-------|----|------|--------|--|--|--|
| Benzene                          | 2.75  | 0.0250 | 2.50  | ND | 110  | 48-131 |  |  |  |
| Ethylbenzene                     | 2.60  | 0.0250 | 2.50  | ND | 104  | 45-135 |  |  |  |
| Toluene                          | 2.67  | 0.0250 | 2.50  | ND | 107  | 48-130 |  |  |  |
| o-Xylene                         | 2.74  | 0.0250 | 2.50  | ND | 110  | 43-135 |  |  |  |
| p,m-Xylene                       | 5.46  | 0.0500 | 5.00  | ND | 109  | 43-135 |  |  |  |
| Total Xylenes                    | 8.21  | 0.0250 | 7.50  | ND | 109  | 43-135 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.607 |        | 0.500 |    | 121  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.490 |        | 0.500 |    | 98.0 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.524 |        | 0.500 |    | 105  | 70-130 |  |  |  |

Matrix Spike Dup (2442069-MSD1) Source: E410143-07 Prepared: 10/15/24 Analyzed: 10/18/24

|                                  |       |        |       |    |      |        |      |    |  |
|----------------------------------|-------|--------|-------|----|------|--------|------|----|--|
| Benzene                          | 2.84  | 0.0250 | 2.50  | ND | 114  | 48-131 | 3.26 | 23 |  |
| Ethylbenzene                     | 2.71  | 0.0250 | 2.50  | ND | 108  | 45-135 | 4.14 | 27 |  |
| Toluene                          | 2.73  | 0.0250 | 2.50  | ND | 109  | 48-130 | 2.09 | 24 |  |
| o-Xylene                         | 2.79  | 0.0250 | 2.50  | ND | 111  | 43-135 | 1.66 | 27 |  |
| p,m-Xylene                       | 5.54  | 0.0500 | 5.00  | ND | 111  | 43-135 | 1.35 | 27 |  |
| Total Xylenes                    | 8.33  | 0.0250 | 7.50  | ND | 111  | 43-135 | 1.45 | 27 |  |
| Surrogate: Bromofluorobenzene    | 0.601 |        | 0.500 |    | 120  | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.459 |        | 0.500 |    | 91.7 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.533 |        | 0.500 |    | 107  | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 4:14:38PM |

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

|                                  |       |        |       |  |                                       |        |  |  |  |
|----------------------------------|-------|--------|-------|--|---------------------------------------|--------|--|--|--|
| Blank (2442071-BLK1)             |       |        |       |  | Prepared: 10/15/24 Analyzed: 10/19/24 |        |  |  |  |
| 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    | 0.579 |        | 0.500 |  | 116                                   | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.456 |        | 0.500 |  | 91.2                                  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.558 |        | 0.500 |  | 112                                   | 70-130 |  |  |  |

|                                  |       |        |       |  |                                       |        |  |  |  |
|----------------------------------|-------|--------|-------|--|---------------------------------------|--------|--|--|--|
| LCS (2442071-BS1)                |       |        |       |  | Prepared: 10/15/24 Analyzed: 10/19/24 |        |  |  |  |
| Benzene                          | 2.42  | 0.0250 | 2.50  |  | 96.8                                  | 70-130 |  |  |  |
| Ethylbenzene                     | 2.54  | 0.0250 | 2.50  |  | 101                                   | 70-130 |  |  |  |
| Toluene                          | 2.53  | 0.0250 | 2.50  |  | 101                                   | 70-130 |  |  |  |
| o-Xylene                         | 2.62  | 0.0250 | 2.50  |  | 105                                   | 70-130 |  |  |  |
| p,m-Xylene                       | 5.23  | 0.0500 | 5.00  |  | 105                                   | 70-130 |  |  |  |
| Total Xylenes                    | 7.85  | 0.0250 | 7.50  |  | 105                                   | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.583 |        | 0.500 |  | 117                                   | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.488 |        | 0.500 |  | 97.5                                  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.552 |        | 0.500 |  | 110                                   | 70-130 |  |  |  |

|                                  |       |        |       |    |                    |        |                                       |  |  |
|----------------------------------|-------|--------|-------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2442071-MS1)       |       |        |       |    | Source: E410147-10 |        | Prepared: 10/15/24 Analyzed: 10/19/24 |  |  |
| Benzene                          | 2.45  | 0.0250 | 2.50  | ND | 97.8               | 48-131 |                                       |  |  |
| Ethylbenzene                     | 2.59  | 0.0250 | 2.50  | ND | 104                | 45-135 |                                       |  |  |
| Toluene                          | 2.58  | 0.0250 | 2.50  | ND | 103                | 48-130 |                                       |  |  |
| o-Xylene                         | 2.71  | 0.0250 | 2.50  | ND | 108                | 43-135 |                                       |  |  |
| p,m-Xylene                       | 5.40  | 0.0500 | 5.00  | ND | 108                | 43-135 |                                       |  |  |
| Total Xylenes                    | 8.11  | 0.0250 | 7.50  | ND | 108                | 43-135 |                                       |  |  |
| Surrogate: Bromofluorobenzene    | 0.592 |        | 0.500 |    | 118                | 70-130 |                                       |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.469 |        | 0.500 |    | 93.8               | 70-130 |                                       |  |  |
| Surrogate: Toluene-d8            | 0.553 |        | 0.500 |    | 111                | 70-130 |                                       |  |  |

|                                  |       |        |       |    |                    |        |                                       |    |  |
|----------------------------------|-------|--------|-------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2442071-MSD1)  |       |        |       |    | Source: E410147-10 |        | Prepared: 10/15/24 Analyzed: 10/19/24 |    |  |
| Benzene                          | 2.42  | 0.0250 | 2.50  | ND | 96.8               | 48-131 | 1.11                                  | 23 |  |
| Ethylbenzene                     | 2.54  | 0.0250 | 2.50  | ND | 102                | 45-135 | 1.91                                  | 27 |  |
| Toluene                          | 2.55  | 0.0250 | 2.50  | ND | 102                | 48-130 | 0.995                                 | 24 |  |
| o-Xylene                         | 2.67  | 0.0250 | 2.50  | ND | 107                | 43-135 | 1.45                                  | 27 |  |
| p,m-Xylene                       | 5.29  | 0.0500 | 5.00  | ND | 106                | 43-135 | 2.03                                  | 27 |  |
| Total Xylenes                    | 7.96  | 0.0250 | 7.50  | ND | 106                | 43-135 | 1.84                                  | 27 |  |
| Surrogate: Bromofluorobenzene    | 0.588 |        | 0.500 |    | 118                | 70-130 |                                       |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.466 |        | 0.500 |    | 93.1               | 70-130 |                                       |    |  |
| Surrogate: Toluene-d8            | 0.547 |        | 0.500 |    | 109                | 70-130 |                                       |    |  |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 4:14:38PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2442069-BLK1) Prepared: 10/15/24 Analyzed: 10/17/24

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND    | 20.0 |       |  |      |        |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.572 |      | 0.500 |  | 114  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.477 |      | 0.500 |  | 95.4 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.541 |      | 0.500 |  | 108  | 70-130 |  |  |  |

LCS (2442069-BS2) Prepared: 10/15/24 Analyzed: 10/17/24

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 63.2  | 20.0 | 50.0  |  | 126  | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.594 |      | 0.500 |  | 119  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.484 |      | 0.500 |  | 96.8 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.557 |      | 0.500 |  | 111  | 70-130 |  |  |  |

Matrix Spike (2442069-MS2) Source: E410143-07 Prepared: 10/15/24 Analyzed: 10/17/24

|                                  |       |      |       |    |      |        |  |  |  |
|----------------------------------|-------|------|-------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 53.0  | 20.0 | 50.0  | ND | 106  | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.590 |      | 0.500 |    | 118  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.478 |      | 0.500 |    | 95.6 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.546 |      | 0.500 |    | 109  | 70-130 |  |  |  |

Matrix Spike Dup (2442069-MSD2) Source: E410143-07 Prepared: 10/15/24 Analyzed: 10/18/24

|                                  |       |      |       |    |      |        |      |    |  |
|----------------------------------|-------|------|-------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 46.5  | 20.0 | 50.0  | ND | 93.0 | 70-130 | 13.1 | 20 |  |
| Surrogate: Bromofluorobenzene    | 0.601 |      | 0.500 |    | 120  | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.483 |      | 0.500 |    | 96.5 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.549 |      | 0.500 |    | 110  | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 4:14:38PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2442071-BLK1) Prepared: 10/15/24 Analyzed: 10/19/24

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND    | 20.0 |       |  |      |        |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.579 |      | 0.500 |  | 116  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.456 |      | 0.500 |  | 91.2 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.558 |      | 0.500 |  | 112  | 70-130 |  |  |  |

LCS (2442071-BS2) Prepared: 10/15/24 Analyzed: 10/19/24

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 49.4  | 20.0 | 50.0  |  | 98.8 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.601 |      | 0.500 |  | 120  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.460 |      | 0.500 |  | 91.9 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.570 |      | 0.500 |  | 114  | 70-130 |  |  |  |

Matrix Spike (2442071-MS2) Source: E410147-10 Prepared: 10/15/24 Analyzed: 10/19/24

|                                  |       |      |       |    |      |        |  |  |  |
|----------------------------------|-------|------|-------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 49.7  | 20.0 | 50.0  | ND | 99.4 | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.592 |      | 0.500 |    | 118  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.470 |      | 0.500 |    | 94.0 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.554 |      | 0.500 |    | 111  | 70-130 |  |  |  |

Matrix Spike Dup (2442071-MSD2) Source: E410147-10 Prepared: 10/15/24 Analyzed: 10/19/24

|                                  |       |      |       |    |      |        |        |    |  |
|----------------------------------|-------|------|-------|----|------|--------|--------|----|--|
| Gasoline Range Organics (C6-C10) | 49.7  | 20.0 | 50.0  | ND | 99.4 | 70-130 | 0.0865 | 20 |  |
| Surrogate: Bromofluorobenzene    | 0.593 |      | 0.500 |    | 119  | 70-130 |        |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.457 |      | 0.500 |    | 91.4 | 70-130 |        |    |  |
| Surrogate: Toluene-d8            | 0.570 |      | 0.500 |    | 114  | 70-130 |        |    |  |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 4:14:38PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2442078-BLK1)            |      |      |      |  | Prepared: 10/15/24 Analyzed: 10/17/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 52.5 |      | 50.0 |  | 105                                   | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2442078-BS1)               |      |      |      |  | Prepared: 10/15/24 Analyzed: 10/17/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 247  | 25.0 | 250  |  | 98.9                                  | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 48.3 |      | 50.0 |  | 96.6                                  | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2442078-MS1)      |      |      |      |    | Source: E410147-08 |        | Prepared: 10/15/24 Analyzed: 10/17/24 |  |  |
| Diesel Range Organics (C10-C28) | 249  | 25.0 | 250  | ND | 99.8               | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 50.9 |      | 50.0 |    | 102                | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2442078-MSD1) |      |      |      |    | Source: E410147-08 |        | Prepared: 10/15/24 Analyzed: 10/17/24 |    |  |
| Diesel Range Organics (C10-C28) | 251  | 25.0 | 250  | ND | 100                | 38-132 | 0.466                                 | 20 |  |
| Surrogate: n-Nonane             | 49.9 |      | 50.0 |    | 99.8               | 50-200 |                                       |    |  |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 4:14:38PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2442079-BLK1)            |      |      |      |  | Prepared: 10/15/24 Analyzed: 10/17/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 52.2 |      | 50.0 |  | 104                                   | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2442079-BS1)               |      |      |      |  | Prepared: 10/15/24 Analyzed: 10/17/24 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 258  | 25.0 | 250  |  | 103                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 51.2 |      | 50.0 |  | 102                                   | 50-200 |  |  |  |

|                                 |      |      |      |     |                    |        |                                       |  |  |
|---------------------------------|------|------|------|-----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2442079-MS1)      |      |      |      |     | Source: E410147-30 |        | Prepared: 10/15/24 Analyzed: 10/17/24 |  |  |
| Diesel Range Organics (C10-C28) | 434  | 25.0 | 250  | 190 | 97.7               | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 49.8 |      | 50.0 |     | 99.6               | 50-200 |                                       |  |  |

|                                 |      |      |      |     |                    |        |                                       |    |  |
|---------------------------------|------|------|------|-----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2442079-MSD1) |      |      |      |     | Source: E410147-30 |        | Prepared: 10/15/24 Analyzed: 10/17/24 |    |  |
| Diesel Range Organics (C10-C28) | 454  | 25.0 | 250  | 190 | 106                | 38-132 | 4.43                                  | 20 |  |
| Surrogate: n-Nonane             | 51.8 |      | 50.0 |     | 104                | 50-200 |                                       |    |  |



QC Summary Data

|                                                                             |                                                                                                                        |                                       |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Dagger Lake South Slot 1 ROW to Slot 2<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br><br>10/21/2024 4:14:38PM |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------|

Anions by EPA 300.0/9056A

Analyst: WF

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                        |     |      |     |     |                                       |        |                                       |    |  |
|----------------------------------------|-----|------|-----|-----|---------------------------------------|--------|---------------------------------------|----|--|
| <b>Blank (2442090-BLK1)</b>            |     |      |     |     | Prepared: 10/16/24 Analyzed: 10/17/24 |        |                                       |    |  |
| Chloride                               | ND  | 20.0 |     |     |                                       |        |                                       |    |  |
| <b>LCS (2442090-BS1)</b>               |     |      |     |     | Prepared: 10/16/24 Analyzed: 10/17/24 |        |                                       |    |  |
| Chloride                               | 251 | 20.0 | 250 |     | 100                                   | 90-110 |                                       |    |  |
| <b>Matrix Spike (2442090-MS1)</b>      |     |      |     |     | <b>Source: E410147-07</b>             |        | Prepared: 10/16/24 Analyzed: 10/18/24 |    |  |
| Chloride                               | 629 | 20.0 | 250 | 368 | 105                                   | 80-120 |                                       |    |  |
| <b>Matrix Spike Dup (2442090-MSD1)</b> |     |      |     |     | <b>Source: E410147-07</b>             |        | Prepared: 10/16/24 Analyzed: 10/18/24 |    |  |
| Chloride                               | 626 | 20.0 | 250 | 368 | 103                                   | 80-120 | 0.498                                 | 20 |  |



QC Summary Data

|                              |                  |                                        |                      |
|------------------------------|------------------|----------------------------------------|----------------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 | Reported:            |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             |                      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/2024 4:14:38PM |

Anions by EPA 300.0/9056A

Analyst: IY

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |     |      |                                       |        |                                       |    |    |
|---------------------------------|------|------|-----|------|---------------------------------------|--------|---------------------------------------|----|----|
| Blank (2442092-BLK1)            |      |      |     |      | Prepared: 10/16/24 Analyzed: 10/16/24 |        |                                       |    |    |
| Chloride                        | ND   | 20.0 |     |      |                                       |        |                                       |    |    |
| LCS (2442092-BS1)               |      |      |     |      | Prepared: 10/16/24 Analyzed: 10/16/24 |        |                                       |    |    |
| Chloride                        | 252  | 20.0 | 250 |      | 101                                   | 90-110 |                                       |    |    |
| Matrix Spike (2442092-MS1)      |      |      |     |      | Source: E410147-27                    |        | Prepared: 10/16/24 Analyzed: 10/16/24 |    |    |
| Chloride                        | 2770 | 40.0 | 250 | 2450 | 126                                   | 80-120 |                                       |    | M4 |
| Matrix Spike Dup (2442092-MSD1) |      |      |     |      | Source: E410147-27                    |        | Prepared: 10/16/24 Analyzed: 10/16/24 |    |    |
| Chloride                        | 2700 | 40.0 | 250 | 2450 | 99.7                                  | 80-120 | 2.41                                  | 20 |    |

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





Definitions and Notes

|                              |                  |                                        |                |
|------------------------------|------------------|----------------------------------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Dagger Lake South Slot 1 ROW to Slot 2 |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002                             | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo                        | 10/21/24 16:14 |

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



## Chain of Custody

Page 3 of 5

| Client Information                                                                                                                                                                                                                                                                                                                                                                                    |              |                                                                        |                   |                          | Invoice Information                  |            |                 | Lab Use Only                                                                                                                                                                                                                                                                                             |              |                     | TAT                   |            |                |               | State        |     |      |             |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------|-------------------|--------------------------|--------------------------------------|------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|-----------------------|------------|----------------|---------------|--------------|-----|------|-------------|--|--|--|
| Client: Matador Production Company                                                                                                                                                                                                                                                                                                                                                                    |              |                                                                        |                   |                          | Company: Ensolum LLC                 |            |                 | Lab WO# 410147                                                                                                                                                                                                                                                                                           |              |                     | Job Number 23003-0002 |            |                |               | 1D 2D 3D Std |     |      |             |  |  |  |
| Project: Dagge Lake South Slot 1 Add to Slot 2                                                                                                                                                                                                                                                                                                                                                        |              |                                                                        |                   |                          | Address: 3122 National Parks Hwy     |            |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       |            |                |               | NM CO UT TX  |     |      |             |  |  |  |
| Project Manager: Ashley Giovengo                                                                                                                                                                                                                                                                                                                                                                      |              |                                                                        |                   |                          | City, State, Zip: Carlsbad NM, 88220 |            |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       |            |                |               | X            |     |      |             |  |  |  |
| Address: 3122 National Parks Hwy                                                                                                                                                                                                                                                                                                                                                                      |              |                                                                        |                   |                          | Phone: 575-988-0055                  |            |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       |            |                |               |              |     |      |             |  |  |  |
| City, State, Zip: Carlsbad NM, 88220                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   |                          | Email: agiovengo@ensolum.com         |            |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       |            |                |               |              |     |      |             |  |  |  |
| Phone: 575-988-0055                                                                                                                                                                                                                                                                                                                                                                                   |              |                                                                        |                   |                          | Miscellaneous:                       |            |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       |            |                |               |              |     |      |             |  |  |  |
| Email: agiovengo@ensolum.com                                                                                                                                                                                                                                                                                                                                                                          |              |                                                                        |                   |                          |                                      |            |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       |            |                |               |              |     |      |             |  |  |  |
| Sample Information                                                                                                                                                                                                                                                                                                                                                                                    |              |                                                                        |                   |                          |                                      |            |                 |                                                                                                                                                                                                                                                                                                          |              | Analysis and Method |                       |            |                |               |              |     |      | EPA Program |  |  |  |
| Time Sampled                                                                                                                                                                                                                                                                                                                                                                                          | Date Sampled | Matrix                                                                 | No. of Containers | Sample ID                | Field Filter                         | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015                                                                                                                                                                                                                                                                                          | BTEX by 8021 | VOC by 8260         | Chloride 300.0        | BGDOC - NM | TCEQ 1005 - TX | RCRA 8 Metals | SDWA         | CWA | RCRA |             |  |  |  |
| 1350                                                                                                                                                                                                                                                                                                                                                                                                  | 10/11/24     | Soil                                                                   | 1                 | SW 36 - 0-4'             |                                      | 1          |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       | X          |                |               |              |     |      |             |  |  |  |
| 1351                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 37                       |                                      | 2          |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       | X          |                |               |              |     |      |             |  |  |  |
| 1353                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 38                       |                                      | 3          |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       | X          |                |               |              |     |      |             |  |  |  |
| 1355                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 39                       |                                      | 4          |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       | X          |                |               |              |     |      |             |  |  |  |
| 1540                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 40                       |                                      | 5          |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       | X          |                |               |              |     |      |             |  |  |  |
| 1400                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 41                       |                                      | 6          |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       | X          |                |               |              |     |      |             |  |  |  |
| 1402                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 42                       |                                      | 7          |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       | X          |                |               |              |     |      |             |  |  |  |
| 1404                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 43                       |                                      | 8          |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       | X          |                |               |              |     |      |             |  |  |  |
| 1406                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | 44*                      |                                      | 9          |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       | X          |                |               |              |     |      |             |  |  |  |
| 1107                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                        |                   | FS 58 4'                 |                                      | 10         |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       | X          |                |               |              |     |      |             |  |  |  |
| Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@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 E. Oluwale A.                                                                                                                                                                                                                                                                                                                                                                      |              |                                                                        |                   |                          |                                      |            |                 |                                                                                                                                                                                                                                                                                                          |              |                     |                       |            |                |               |              |     |      |             |  |  |  |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date                                                                   | Time              | Received by: (Signature) |                                      | Date       | Time            | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <input checked="" type="checkbox"/> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C 4 |              |                     |                       |            |                |               |              |     |      |             |  |  |  |
| Oluwale Adeniyi                                                                                                                                                                                                                                                                                                                                                                                       |              | 10/14/24                                                               | 08:15             | Michelle Gonzales        |                                      | 10-14-24   | 0815            |                                                                                                                                                                                                                                                                                                          |              |                     |                       |            |                |               |              |     |      |             |  |  |  |
| Michelle Gonzales                                                                                                                                                                                                                                                                                                                                                                                     |              | 10-14-24                                                               | 1640              | L.H.                     |                                      | 10-14-24   | 1640            |                                                                                                                                                                                                                                                                                                          |              |                     |                       |            |                |               |              |     |      |             |  |  |  |
| L.H.                                                                                                                                                                                                                                                                                                                                                                                                  |              | 10-14-24                                                               | 2245              | Caitlin                  |                                      | 10-15-24   | 8:00            |                                                                                                                                                                                                                                                                                                          |              |                     |                       |            |                |               |              |     |      |             |  |  |  |
| 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

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23003-002 CM 10/15

| 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: <u>Dugger Lake South Slot 1 Road to Slot 2</u>                                                                                                                                                                                                                                                                                                                                               |              |                 |                   | Address: 3122 National Parks Hwy     |              | <u>E40147</u>       | <u>610</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 | BGDOC - NM | TCEQ 1005 - TX | RCRA 8 Metals | SDWA | CWA | RCRA |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |                 |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |
| 1109                                                                                                                                                                                                                                                                                                                                                                                                  | 10/11/24     | soil            | 1                 | FS 59 - 4'                           |              | 11                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X          |                |               |      |     |      |
| 1110                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 60                                   |              | 12                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X          |                |               |      |     |      |
| 1112                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 61                                   |              | 13                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X          |                |               |      |     |      |
| 1114                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 62                                   |              | 14                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X          |                |               |      |     |      |
| 1115                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 63                                   |              | 15                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X          |                |               |      |     |      |
| 1119                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 64                                   |              | 16                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X          |                |               |      |     |      |
| 1121                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 65                                   |              | 17                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X          |                |               |      |     |      |
| 1125                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 66                                   |              | 18                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X          |                |               |      |     |      |
| 1125                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 67                                   |              | 19                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X          |                |               |      |     |      |
| 1126                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 68                                   |              | 20                  |                 |                                                                                                                                                                                                                                                                                        |              |             |                | X          |                |               |      |     |      |
| Additional Instructions: Please CC: <u>cburton@ensolum.com</u> , <u>agiovengo@ensolum.com</u> , <u>iestrella@ensolum.com</u> , <u>bdeal@ensolum.com</u> , <u>chamilton@ensolum.com</u> , <u>bsimmons@ensolum.com</u>                                                                                                                                                                                  |              |                 |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |
| 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 &amp; Oluwale A</u>                                                                                                                                                                                                                                                                                                                                                             |              |                 |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date            | Time              | Received by: (Signature)             |              | Date                | Time            | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <u>(Y)</u> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |              |             |                |            |                |               |      |     |      |
| <u>Oluwale Aderinto</u>                                                                                                                                                                                                                                                                                                                                                                               |              | <u>10/14/24</u> | <u>08:15</u>      | <u>Michelle Gonzales</u>             |              | <u>10/14/24</u>     | <u>0815</u>     |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |
| <u>Michelle Gonzales</u>                                                                                                                                                                                                                                                                                                                                                                              |              | <u>10/14/24</u> | <u>1640</u>       | <u>L.H.</u>                          |              | <u>10-14-24</u>     | <u>1640</u>     |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |
| <u>L.H.</u>                                                                                                                                                                                                                                                                                                                                                                                           |              | <u>10-14-24</u> | <u>2245</u>       | <u>Carla Man</u>                     |              | <u>10-15-24</u>     | <u>8:00</u>     |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date            | Time              | Received by: (Signature)             |              | Date                | Time            |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date            | Time              | Received by: (Signature)             |              | Date                | Time            |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____                                                                                                                                                                                                                                                                                                                        |              |                 |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |
| Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____                                                                                                                                                                                                                                                                                                                          |              |                 |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |
| Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. |              |                 |                   |                                      |              |                     |                 |                                                                                                                                                                                                                                                                                        |              |             |                |            |                |               |      |     |      |





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| 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: <u>Digger Lake South Slot 1 ROW to slot 2</u>                                                                                                                                                                                                                                                                                                                                                |              |                 |                   |                          | Address: 3122 National Parks Hwy     |                 | <u>E410147</u>      | <u>23003.0002</u>                                                                                                                                                                                                                                                                      |              |             |                | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |               |      |     |      |
| 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 | BGDOC - NM                          | TCEQ 1005 - TX                      | RCRA 8 Metals | SDWA | CWA | RCRA |
|                                                                                                                                                                                                                                                                                                                                                                                                       |              |                 |                   |                          |                                      |                 |                     |                                                                                                                                                                                                                                                                                        |              |             |                |                                     |                                     |               |      |     |      |
| 1129                                                                                                                                                                                                                                                                                                                                                                                                  | 10/11/24     | Soil            | 1                 | FS 69 - 4'               |                                      | 21              |                     |                                                                                                                                                                                                                                                                                        |              |             |                | X                                   |                                     |               |      |     |      |
| 1133                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 70                       |                                      | 22              |                     |                                                                                                                                                                                                                                                                                        |              |             |                | X                                   |                                     |               |      |     |      |
| 1134                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 71                       |                                      | 23              |                     |                                                                                                                                                                                                                                                                                        |              |             |                | X                                   |                                     |               |      |     |      |
| 1137                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 72                       |                                      | 24              |                     |                                                                                                                                                                                                                                                                                        |              |             |                | X                                   |                                     |               |      |     |      |
| 1139                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 73                       |                                      | 25              |                     |                                                                                                                                                                                                                                                                                        |              |             |                | X                                   |                                     |               |      |     |      |
| 1142                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 74                       |                                      | 26              |                     |                                                                                                                                                                                                                                                                                        |              |             |                | X                                   |                                     |               |      |     |      |
| 1145                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 75                       |                                      | 27              |                     |                                                                                                                                                                                                                                                                                        |              |             |                | X                                   |                                     |               |      |     |      |
| 1148                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 76                       |                                      | 28              |                     |                                                                                                                                                                                                                                                                                        |              |             |                | X                                   |                                     |               |      |     |      |
| 1151                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 77                       |                                      | 29              |                     |                                                                                                                                                                                                                                                                                        |              |             |                | X                                   |                                     |               |      |     |      |
| 1153                                                                                                                                                                                                                                                                                                                                                                                                  |              |                 |                   | 78                       |                                      | 30              |                     |                                                                                                                                                                                                                                                                                        |              |             |                | X                                   |                                     |               |      |     |      |
| Additional Instructions: Please CC: <u>cburton@ensolum.com</u> , <u>agiovengo@ensolum.com</u> , <u>iestrella@ensolum.com</u> , <u>bdeal@ensolum.com</u> , <u>chamilton@ensolum.com</u> , <u>bsimmons@ensolum.com</u>                                                                                                                                                                                  |              |                 |                   |                          |                                      |                 |                     |                                                                                                                                                                                                                                                                                        |              |             |                |                                     |                                     |               |      |     |      |
| 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 &amp; Oluwale A</u>                                                                                                                                                                                                                                                                                                                                                             |              |                 |                   |                          |                                      |                 |                     |                                                                                                                                                                                                                                                                                        |              |             |                |                                     |                                     |               |      |     |      |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                          |              | Date            | Time              | Received by: (Signature) |                                      | Date            | Time                | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.<br>Lab Use Only<br>Received on ice: <u>(Y)</u> N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C <u>4</u> |              |             |                |                                     |                                     |               |      |     |      |
| <u>Oluwale Aderinto</u>                                                                                                                                                                                                                                                                                                                                                                               |              | <u>10/14/24</u> | <u>08:15</u>      | <u>Michelle Gonzales</u> |                                      | <u>10/14/24</u> | <u>0815</u>         |                                                                                                                                                                                                                                                                                        |              |             |                |                                     |                                     |               |      |     |      |
| <u>Michelle Gonzales</u>                                                                                                                                                                                                                                                                                                                                                                              |              | <u>10/14/24</u> | <u>1640</u>       | <u>J.H.</u>              |                                      | <u>10/14/24</u> | <u>1640</u>         |                                                                                                                                                                                                                                                                                        |              |             |                |                                     |                                     |               |      |     |      |
| <u>J.H.</u>                                                                                                                                                                                                                                                                                                                                                                                           |              | <u>10/14/24</u> | <u>2245</u>       | <u>Carl Ma</u>           |                                      | <u>10/15/24</u> | <u>8:00</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: 10/15/2024 10:29:46AM

## 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:  | 10/15/24 08:00             | Work Order ID: | E410147  |
| Phone:  | (972) 371-5200          | Date Logged In: | 10/14/24 16:43             | Logged In By:  | Noe Soto |
| Email:  | agiovngo@ensolum.com    | Due Date:       | 10/21/24 17:00 (4 day TAT) |                |          |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## APPENDIX E

### NMSLO Cultural Resources Cover Sheet

---





Stephanie Garcia Richard, Commissioner of Public Lands  
State of New Mexico

## NMSLO Cultural Resources Cover Sheet Exhibit

**NMCRIS Activity Number:**

(if applicable)

**Exhibit Type** (select one)

**ARMS Inspection/Review** - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

### Archaeological Survey

#### Findings:

**Negative** - No further archaeological review is required.

**Positive** - Have avoidance and protection measures been devised? Select one:

**Comments:**

### Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

### Project Location:

County(ies):

PLSS/Section/Township/Range):

---

### *For NMSLO Agency Use Only:*

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

---

*No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.*

Form Revised 12 22



## APPENDIX F

### NMOCD Correspondence

---



**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Ashley Giovengo](#); [Velez, Nelson, EMNRD](#); [Arsenio Jones](#); [Jason Touchet](#)  
**Cc:** [Cole Burton](#); [Chad Hamilton](#); [Bratcher, Michael, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Extension Request - Dagger Lake South Slot 1 ROW to Slot 2 - Incident Number nAPP2411327945  
**Date:** Friday, October 11, 2024 9:09:11 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)

---

[ \*\*EXTERNAL EMAIL \*\* ]

Hi Ashley,

The extension request for NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 is approved. This is the second and final extension. The new due date to submit your remediation closure report to the OCD is January 21, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

[Shelly Wells](#) \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520|[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Sent:** Thursday, October 10, 2024 11:49 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>; Arsenio Jones <[arsenio.jones@matadorresources.com](mailto:arsenio.jones@matadorresources.com)>; Jason Touchet <[jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)>  
**Cc:** Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>; Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>  
**Subject:** [EXTERNAL] Extension Request - Dagger Lake South Slot 1 ROW to Slot 2 - Incident Number nAPP2411327945

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

Matador Production Company (Matador) is requesting an extension of the current deadline of October 21, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Dagger Lake South Slot 1 ROW to Slot 2 (Site) (Incident Number nAPP2411327945). The release occurred on April 21, 2024, and lateral and vertical delineation sampling to the strictest Closure Criteria per NMOCD Table I has been completed at the Site. The release occurred off-pad, in a pipeline right-of-way (ROW) and on State Trust Land managed by the New Mexico State Land Office (NMSLO). Since the release occurred on State Land, a Right-of-Entry Permit and ARMS review were required prior to beginning the excavation. Excavation of the subject matter release began on September 25, 2024, and the anticipated completion date is 10/11/2024. Matador intends to submit a remediation work plan or closure report, upon receiving/reviewing final laboratory analytical results from confirmation sampling activities. Matador respectfully requests a 90-day extension until January 21, 2024.

Thanks,



**Ashley Giovengo**

Senior Scientist

575-988-0055

**Ensolum, LLC**

**in f X**

“Your authenticity is your superpower.” – Unknown

**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Ashley Giovengo](#); [Velez, Nelson, EMNRD](#); [Jason Touchet](#); [Arsenio Jones](#)  
**Cc:** [Cole Burton](#); [Chad Hamilton](#); [Bratcher, Michael, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Confirmation Sampling Variance Request - Matador - Dagger Lake South Slot 1 ROW to Slot 2 - Incident Number nAPP2411327945  
**Date:** Monday, September 23, 2024 2:12:48 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)

---

[ \*\*EXTERNAL EMAIL \*\* ]

Good afternoon Ashley,

A variance to collect confirmation samples every 400 square feet from the base of the excavation and every 200 square feet from the sidewalls of the excavation is approved. Depth to groundwater is still not confirmed however as CP-01899 is located .61 miles from the release location of 32.400222,-103.5985181. A remediation closure report is due to the OCD by 10/21/2024.

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](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Sent:** Monday, September 23, 2024 1:48 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>; Jason Touchet <[jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)>; Arsenio Jones <[arsenio.jones@matadorresources.com](mailto:arsenio.jones@matadorresources.com)>  
**Cc:** Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>; Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>  
**Subject:** [EXTERNAL] Confirmation Sampling Variance Request - Matador - Dagger Lake South Slot 1 ROW to Slot 2 - Incident Number nAPP2411327945

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Dagger Lake South Slot 1 ROW to Slot 2 (Site) (Incident Number nAPP2411327945). On April 21, 2024, a buried pipeline at the Dagger Lake South Slot 1 ROW to Slot 2 developed a leak which resulted in the release of approximately 2,631 barrels (bbls) of produced water; 150 bbls were recovered from the release area. The release impacted an area approximately 26,152 square feet (sq. ft.) in size on State Trust Land managed by the New Mexico State Land Office (NMSLO). Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on April 22, 2024, via web portal and to NMSLO on April 21, 2024. 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 CP-1899 POD1 with a reported depth to groundwater measurement greater than 101 feet below ground surface (bgs); the well is within a half-mile radius of the Site and the date of the last recorded measurement was on February 24, 2022. The site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is an intermittent dry wash located approximately 0.88 miles northwest of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX 1,000 mg/kg GRO/DRO, 2,500 mg/kg GRO/DRO/ORO and 20,000 mg/kg chloride.

Lateral and vertical delineation sampling has been completed in accordance with the strictest Closure Criteria per NMOCD Table I. Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador is scheduled to begin the excavation/reclamation of the off-pad release area on September 24, 2024, and intends to collect confirmation samples following the removal of waste-containing soil from the excavation extent. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a reported depth to groundwater greater than 101 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2411327945).

Thanks,



**Ashley Giovengo**

Senior Scientist

575-988-0055

**Ensolum, LLC**

**in f X**

“Your authenticity is your superpower.” – Unknown

**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Ashley Giovengo](#); [Velez, Nelson, EMNRD](#); [clinton.talley@matadorresources.com](mailto:clinton.talley@matadorresources.com); [Jason Touchet](#)  
**Cc:** [Cole Burton](#); [Chad Hamilton](#); [Bratcher, Michael, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Extension Request - Dagger Lake South Slot 1 ROW to Slot 2 - Incident Number nAPP2411327945  
**Date:** Thursday, July 11, 2024 9:30:34 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)

---

[ \*\*EXTERNAL EMAIL \*\* ]

Good morning Ashley,

The extension request for NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 is approved. The new due date to submit your remediation closure report to the OCD is October 21, 2024. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

**Shelly Wells** \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520|[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Sent:** Thursday, July 11, 2024 9:21 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>; [clinton.talley@matadorresources.com](mailto:clinton.talley@matadorresources.com); Jason Touchet <[jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)>  
**Cc:** Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>; Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>  
**Subject:** [EXTERNAL] Extension Request - Dagger Lake South Slot 1 ROW to Slot 2 - Incident Number nAPP2411327945

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All,

Matador Production Company (Matador) is requesting an extension for the current deadline of

July 22, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Dagger Lake South Slot 1 ROW to Slot 2 (Incident Number nAPP2411327945). The release occurred on April 21, 2024, and lateral delineation and vertical delineation sampling to the strictest criteria per NMOCD Table I has been completed at the Site. A scope of work (SOW) for bid request has been completed and Matador is in the process of selecting a sub-contractor to begin remediation and confirmation sampling 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 October 20, 2024. Please let me know if you have any further questions regarding this site.

Thanks,



**Ashley Giovengo**

Senior Scientist

575-988-0055

**Ensolum, LLC**

**in f X**

"Your authenticity is your superpower." – Unknown

**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Ashley Giovengo](#); [Velez, Nelson, EMNRD](#); [Arsenio Jones](#); [Jason Touchet](#)  
**Cc:** [Cole Burton](#); [Chad Hamilton](#); [Bratcher, Michael, EMNRD](#)  
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[image002.png](#)  
[image003.png](#)

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[ \*\*EXTERNAL EMAIL \*\* ]

Hi Ashley,

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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](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Sent:** Thursday, October 10, 2024 11:49 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>; Arsenio Jones <[arsenio.jones@matadorresources.com](mailto:arsenio.jones@matadorresources.com)>; Jason Touchet <[jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)>  
**Cc:** Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>; Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>  
**Subject:** [EXTERNAL] Extension Request - Dagger Lake South Slot 1 ROW to Slot 2 - Incident Number nAPP2411327945

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All,



Matador Production Company (Matador) is requesting an extension of the current deadline of October 21, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Dagger Lake South Slot 1 ROW to Slot 2 (Site) (Incident Number nAPP2411327945). The release occurred on April 21, 2024, and lateral and vertical delineation sampling to the strictest Closure Criteria per NMOCD Table I has been completed at the Site. The release occurred off-pad, in a pipeline right-of-way (ROW) and on State Trust Land managed by the New Mexico State Land Office (NMSLO). Since the release occurred on State Land, a Right-of-Entry Permit and ARMS review were required prior to beginning the excavation. Excavation of the subject matter release began on September 25, 2024, and the anticipated completion date is 10/11/2024. Matador intends to submit a remediation work plan or closure report, upon receiving/reviewing final laboratory analytical results from confirmation sampling activities. Matador respectfully requests a 90-day extension until January 21, 2024.

Thanks,



**Ashley Giovengo**

Senior Scientist

575-988-0055

**Ensolum, LLC**

**in f X**

“Your authenticity is your superpower.” – Unknown

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 335813

QUESTIONS

|                                                                                   |                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                       |
|                                                                                   | Action Number:<br>335813                               |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

QUESTIONS

|                                                                                            |                                        |
|--------------------------------------------------------------------------------------------|----------------------------------------|
| <b>Location of Release Source</b><br><i>Please answer all the questions in this group.</i> |                                        |
| Site Name                                                                                  | Dagger Lake South Slot 1 ROW to Slot 2 |
| Date Release Discovered                                                                    | 04/21/2024                             |
| Surface Owner                                                                              | State                                  |

|                                                                                                      |                        |
|------------------------------------------------------------------------------------------------------|------------------------|
| <b>Incident Details</b><br><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                     |

|                                                                                                                                                                                                                                    |                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Nature and Volume of Release</b><br><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: Human Error   Pipeline (Any)   Produced Water   Released: 0 BBL (Unknown Released Amount)   Recovered: 150 BBL   Lost: -150 BBL.                            |
| Is the concentration of chloride in the produced water >10,000 mg/l                                                                                                                                                                | No                                                                                                                                                                 |
| Condensate Released (bbls) Details                                                                                                                                                                                                 | Not answered.                                                                                                                                                      |
| Natural Gas Vented (Mcf) Details                                                                                                                                                                                                   | Not answered.                                                                                                                                                      |
| Natural Gas Flared (Mcf) Details                                                                                                                                                                                                   | Not answered.                                                                                                                                                      |
| Other Released Details                                                                                                                                                                                                             | Not answered.                                                                                                                                                      |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                                                               | Volume is currently unknown, we will be out this morning 4/22/24 to get a better understanding of the contaminated area and will update when submitting the C-141. |

**District I**

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

QUESTIONS, Page 2

Action 335813

**QUESTIONS (continued)**

|                                                                                   |                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                       |
|                                                                                   | Action Number:<br>335813                               |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>                                                                                                         |                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Is this a gas only submission (i.e. only significant Mcf values reported)                                                                               | No, according to supplied volumes this does not appear to be a "gas only" report.                                                                                                                    |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC                                                                                  | Yes                                                                                                                                                                                                  |
| Reasons why this would be considered a submission for a notification of a major release                                                                 | From paragraph A. "Major release" determine using:<br>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more;<br>(?) reported amounts release resulting in negative volume. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. |                                                                                                                                                                                                      |

**Initial Response**

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

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

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

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

ACKNOWLEDGMENTS

Action 335813

**ACKNOWLEDGMENTS**

|                                                                                   |                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                       |
|                                                                                   | Action Number:<br>335813                               |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

**ACKNOWLEDGMENTS**

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

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

CONDITIONS  
  
Action 335813

CONDITIONS

|                                                                                   |                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                       |
|                                                                                   | Action Number:<br>335813                               |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Release (NOR) |

CONDITIONS

| Created By | Condition                                                                                                                                                           | Condition Date |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| c_talley   | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141. | 4/22/2024      |

| Impacted Soil                                        |                |
|------------------------------------------------------|----------------|
| Saturated Soil (inches)                              |                |
|                                                      | 12             |
|                                                      |                |
|                                                      | 26,121         |
| Standing fluids                                      |                |
| inches of standing fluid                             |                |
|                                                      | 0              |
| bbl estimate of standing fluids                      |                |
|                                                      | 0.0            |
| barrels recovered (if known)                         |                |
|                                                      | 150            |
| Soil type                                            |                |
|                                                      | Sand           |
| Spill type                                           |                |
|                                                      | produced water |
| Barrel estimate in soil                              |                |
|                                                      | 2481.3         |
| Barrel estimate (standing fluids/ recovered+in soil) |                |
|                                                      | 2631.3         |

need to populate or select

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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 336207

QUESTIONS

|                                                                                   |                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                        |
|                                                                                   | Action Number:<br>336207                                |
|                                                                                   | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

QUESTIONS

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| Prerequisites    |                                                           |
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Received                                    |

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Location of Release Source                     |                                        |
| Please answer all the questions in this group. |                                        |
| Site Name                                      | Dagger Lake South Slot 1 ROW to Slot 2 |
| Date Release Discovered                        | 04/21/2024                             |
| Surface Owner                                  | State                                  |

|                                                                                                      |                        |
|------------------------------------------------------------------------------------------------------|------------------------|
| Incident Details                                                                                     |                        |
| Please answer all the questions in this group.                                                       |                        |
| 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                                                                                                                                                         |                                                                                                                                                                    |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |                                                                                                                                                                    |
| Crude Oil Released (bbls) Details                                                                                                                                                    | Not answered.                                                                                                                                                      |
| Produced Water Released (bbls) Details                                                                                                                                               | Cause: Human Error   Pipeline (Any)   Produced Water   Released: 2,631 BBL   Recovered: 150 BBL   Lost: 2,481 BBL.                                                 |
| Is the concentration of chloride in the produced water >10,000 mg/l                                                                                                                  | No                                                                                                                                                                 |
| Condensate Released (bbls) Details                                                                                                                                                   | Not answered.                                                                                                                                                      |
| Natural Gas Vented (Mcf) Details                                                                                                                                                     | Not answered.                                                                                                                                                      |
| Natural Gas Flared (Mcf) Details                                                                                                                                                     | Not answered.                                                                                                                                                      |
| Other Released Details                                                                                                                                                               | Not answered.                                                                                                                                                      |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | Volume is currently unknown, we will be out this morning 4/22/24 to get a better understanding of the contaminated area and will update when submitting the C-141. |



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**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 336207

**QUESTIONS (continued)**

|                                                                                   |                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                        |
|                                                                                   | Action Number:<br>336207                                |
|                                                                                   | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>                                                                                                         |                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Is this a gas only submission (i.e. only significant Mcf values reported)                                                                               | No, according to supplied volumes this does not appear to be a "gas only" report.                                                      |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC                                                                                  | Yes                                                                                                                                    |
| Reasons why this would be considered a submission for a notification of a major release                                                                 | From paragraph A. "Major release" determine using:<br>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. |                                                                                                                                        |

**Initial Response**

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

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

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

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

|                                                    |                                                                                                                  |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Clint Talley<br>Title: Assistant Foreman<br>Email: clinton.talley@matadorresources.com<br>Date: 04/22/2024 |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|

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

QUESTIONS, Page 3

Action 336207

**QUESTIONS (continued)**

|                                                                                   |                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                        |
|                                                                                   | Action Number:<br>336207                                |
|                                                                                   | Action Type:<br>[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. |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |               |
| 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 |
| 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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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 336207

CONDITIONS

|                                                                                   |                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                        |
|                                                                                   | Action Number:<br>336207                                |
|                                                                                   | Action Type:<br>[C-141] Initial C-141 (C-141-v-Initial) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| scwells    | None      | 4/22/2024      |

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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 385964

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385964                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                                           |
|------------------|-----------------------------------------------------------|
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 09/25/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |

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Oil Conservation Division  
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Santa Fe, NM 87505

CONDITIONS  
  
Action 385964

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385964                                   |
|                                                                                   | Action Type:<br>[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. | 9/23/2024      |

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS

Action 385968

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385968                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                                           |
|------------------|-----------------------------------------------------------|
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 09/26/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |

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811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 385968

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385968                                   |
|                                                                                   | Action Type:<br>[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. | 9/23/2024      |

**District I**

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**District IV**

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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 385969

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385969                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                                           |
|------------------|-----------------------------------------------------------|
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 09/27/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |



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

CONDITIONS  
  
Action 385969

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385969                                   |
|                                                                                   | Action Type:<br>[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. | 9/23/2024      |

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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 385970

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385970                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                                           |
|------------------|-----------------------------------------------------------|
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 09/30/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |

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

CONDITIONS  
  
Action 385970

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385970                                   |
|                                                                                   | Action Type:<br>[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. | 9/23/2024      |

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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 385973

QUESTIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385973                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| Prerequisites    |                                                           |
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

|                            |                                        |
|----------------------------|----------------------------------------|
| Location of Release Source |                                        |
| Site Name                  | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered    | 04/21/2024                             |
| Surface Owner              | State                                  |

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| Sampling Event General Information                                                              |                         |
| Please answer all the questions in this group.                                                  |                         |
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/01/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |

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

CONDITIONS  
  
Action 385973

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385973                                   |
|                                                                                   | Action Type:<br>[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. | 9/23/2024      |

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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 385978

QUESTIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385978                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| Prerequisites    |                                                           |
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

|                            |                                        |
|----------------------------|----------------------------------------|
| Location of Release Source |                                        |
| Site Name                  | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered    | 04/21/2024                             |
| Surface Owner              | State                                  |

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| Sampling Event General Information                                                              |                         |
| Please answer all the questions in this group.                                                  |                         |
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/02/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |

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

CONDITIONS  
  
Action 385978

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385978                                   |
|                                                                                   | Action Type:<br>[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. | 9/23/2024      |

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**District IV**

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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 385980

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385980                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                                           |
|------------------|-----------------------------------------------------------|
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/03/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |



**District I**  
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**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 385980

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>385980                                   |
|                                                                                   | Action Type:<br>[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. | 9/23/2024      |

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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 389399

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>389399                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| <b>Prerequisites</b> |                                                           |
| Incident ID (n#)     | nAPP2411327945                                            |
| Incident Name        | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type        | Produced Water Release                                    |
| Incident Status      | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |            |
|-------------------------------------------------------------------------------------------------|------------|
| What is the sampling surface area in square feet                                                | 26,152     |
| What is the estimated number of samples that will be gathered                                   | 179        |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/03/2024 |
| Time sampling will commence                                                                     | 09:00 AM   |

*Warning: Notification can not be less than two business days prior to conducting final sampling.*

|                                                                            |                         |
|----------------------------------------------------------------------------|-------------------------|
| Please provide any information necessary for observers to contact samplers | N/A                     |
| Please provide any information necessary for navigation to sampling site   | 32.400222, -103.5985181 |

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

CONDITIONS  
  
Action 389399

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>389399                                   |
|                                                                                   | Action Type:<br>[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. | 10/2/2024      |

**District I**

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

QUESTIONS

Action 389402

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>389402                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                                           |
|------------------|-----------------------------------------------------------|
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/04/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 389402

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>389402                                   |
|                                                                                   | Action Type:<br>[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. | 10/2/2024      |

**District I**

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**District II**

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Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

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**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 389406

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>389406                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                                           |
|------------------|-----------------------------------------------------------|
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/07/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District II**  
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 389406

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>389406                                   |
|                                                                                   | Action Type:<br>[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. | 10/2/2024      |

**District I**

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Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

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Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 389412

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>389412                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                                           |
|------------------|-----------------------------------------------------------|
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/08/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |



**District I**  
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 389412

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>389412                                   |
|                                                                                   | Action Type:<br>[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. | 10/2/2024      |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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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 390479

QUESTIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>390479                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| Prerequisites    |                                                           |
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

|                            |                                        |
|----------------------------|----------------------------------------|
| Location of Release Source |                                        |
| Site Name                  | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered    | 04/21/2024                             |
| Surface Owner              | State                                  |

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| Sampling Event General Information                                                              |                         |
| Please answer all the questions in this group.                                                  |                         |
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/09/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |

**District I**  
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1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 390479

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>390479                                   |
|                                                                                   | Action Type:<br>[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. | 10/7/2024      |

**District I**

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

QUESTIONS

Action 390481

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>390481                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                                           |
|------------------|-----------------------------------------------------------|
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/10/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 390481

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>390481                                   |
|                                                                                   | Action Type:<br>[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. | 10/7/2024      |

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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 390484

**QUESTIONS**

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>390484                                   |
|                                                                                   | Action Type:<br>[NOTIFY] Notification Of Sampling (C-141N) |

**QUESTIONS**

| Prerequisites    |                                                           |
|------------------|-----------------------------------------------------------|
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Initial C-141 Approved                                    |

**Location of Release Source**

|                         |                                        |
|-------------------------|----------------------------------------|
| Site Name               | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered | 04/21/2024                             |
| Surface Owner           | State                                  |

**Sampling Event General Information***Please answer all the questions in this group.*

|                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------|-------------------------|
| What is the sampling surface area in square feet                                                | 26,152                  |
| What is the estimated number of samples that will be gathered                                   | 179                     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/11/2024              |
| Time sampling will commence                                                                     | 09:00 AM                |
| Please provide any information necessary for observers to contact samplers                      | N/A                     |
| Please provide any information necessary for navigation to sampling site                        | 32.400222, -103.5985181 |

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

CONDITIONS  
  
Action 390484

CONDITIONS

|                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                           |
|                                                                                   | Action Number:<br>390484                                   |
|                                                                                   | Action Type:<br>[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. | 10/7/2024      |



## APPENDIX B

### Photographic Log

---





**Photographic Log**

Matador Production Company  
Dagger Lake South Slot 1 ROW to Slot 2  
nAPP2411327945



Photograph 1

Date: 11/11/2024

Description: Reseeding

View: Northwest

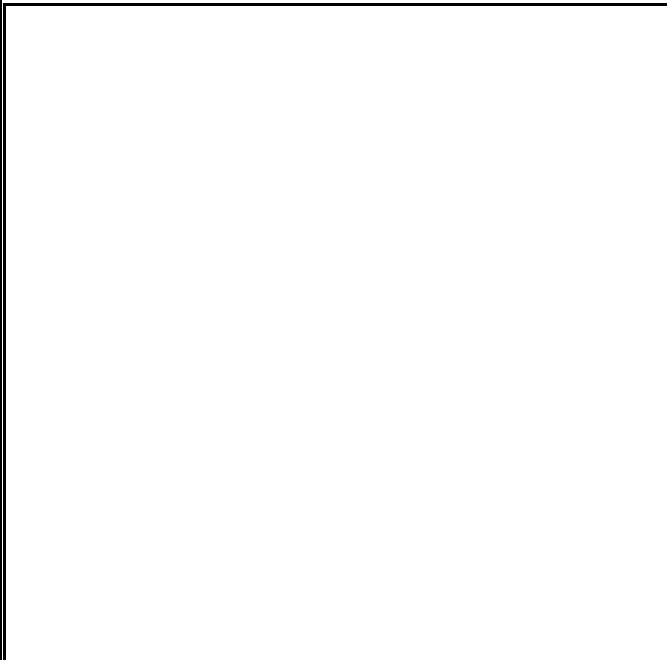


Photograph 2

Date: 11/11/2024

Description: Reseeding

View: Northeast

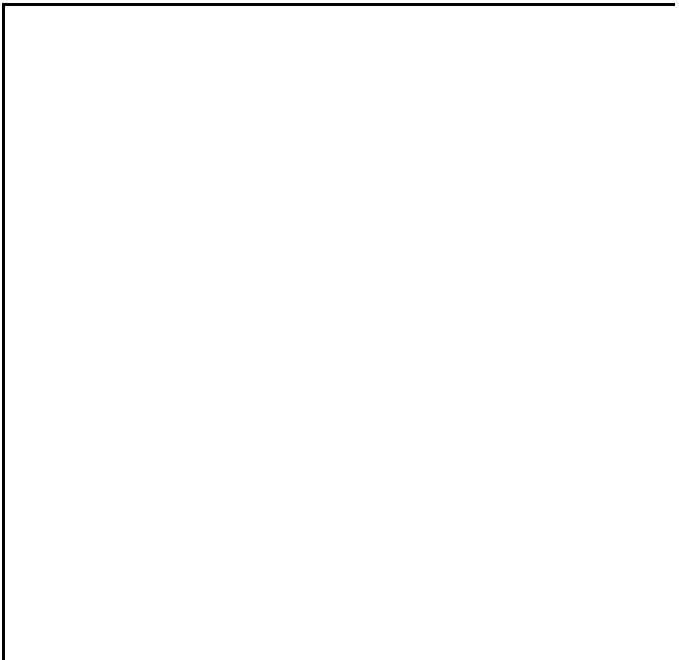


Photograph 3

Date:

Description:

View:



Photograph 4

Date:

Description:

View:



## APPENDIX C

### 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: Merchant Pit

Work Order: E501032

Job Number: 23003-0002

Received: 1/8/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/10/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 1/10/25

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



Project Name: Merchant Pit  
Workorder: E501032  
Date Received: 1/8/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/8/2025 7:15:00AM, under the Project Name: Merchant Pit.

The analytical test results summarized in this report with the Project Name: Merchant Pit 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

|                                                                             |                                                                                              |                             |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Merchant Pit<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br>01/10/25 08:55 |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------|

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| BF01             | E501032-01A   | Soil   | 01/06/25 | 01/08/25 | Glass Jar, 2 oz. |
| BF02             | E501032-02A   | Soil   | 01/06/25 | 01/08/25 | Glass Jar, 2 oz. |



## Sample Data

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

Project Name: Merchant Pit  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/10/2025 8:55:53AM

**BF01**

**E501032-01**

| Analyte                                               | Result | Reporting Limit | Dilution    | Prepared | Analyzed       | Notes |
|-------------------------------------------------------|--------|-----------------|-------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2502038 |       |
| Benzene                                               | ND     | 0.0250          | 1           | 01/08/25 | 01/08/25       |       |
| Ethylbenzene                                          | ND     | 0.0250          | 1           | 01/08/25 | 01/08/25       |       |
| Toluene                                               | ND     | 0.0250          | 1           | 01/08/25 | 01/08/25       |       |
| o-Xylene                                              | ND     | 0.0250          | 1           | 01/08/25 | 01/08/25       |       |
| p,m-Xylene                                            | ND     | 0.0500          | 1           | 01/08/25 | 01/08/25       |       |
| Total Xylenes                                         | ND     | 0.0250          | 1           | 01/08/25 | 01/08/25       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 91.6 %          | 70-130      | 01/08/25 | 01/08/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: SL |          | Batch: 2502038 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1           | 01/08/25 | 01/08/25       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 92.1 %          | 70-130      | 01/08/25 | 01/08/25       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: NV |          | Batch: 2502044 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1           | 01/08/25 | 01/08/25       |       |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1           | 01/08/25 | 01/08/25       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 113 %           | 50-200      | 01/08/25 | 01/08/25       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: JM |          | Batch: 2502047 |       |
| Chloride                                              | 23.1   | 20.0            | 1           | 01/08/25 | 01/08/25       |       |



## Sample Data

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

Project Name: Merchant Pit  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
1/10/2025 8:55:53AM

## BF02

## E501032-02

| Analyte                                               | Result | Reporting Limit | Dilution | Prepared    | Analyzed | Notes          |
|-------------------------------------------------------|--------|-----------------|----------|-------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2502038 |
| Benzene                                               | ND     | 0.0250          | 1        | 01/08/25    | 01/08/25 |                |
| Ethylbenzene                                          | ND     | 0.0250          | 1        | 01/08/25    | 01/08/25 |                |
| Toluene                                               | ND     | 0.0250          | 1        | 01/08/25    | 01/08/25 |                |
| o-Xylene                                              | ND     | 0.0250          | 1        | 01/08/25    | 01/08/25 |                |
| p,m-Xylene                                            | ND     | 0.0500          | 1        | 01/08/25    | 01/08/25 |                |
| Total Xylenes                                         | ND     | 0.0250          | 1        | 01/08/25    | 01/08/25 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |             |          |                |
|                                                       | 90.3 % | 70-130          |          | 01/08/25    | 01/08/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: SL |          | Batch: 2502038 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 01/08/25    | 01/08/25 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |             |          |                |
|                                                       | 92.0 % | 70-130          |          | 01/08/25    | 01/08/25 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: NV |          | Batch: 2502044 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 01/08/25    | 01/08/25 |                |
| Oil Range Organics (C28-C36)                          | ND     | 50.0            | 1        | 01/08/25    | 01/08/25 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |             |          |                |
|                                                       | 110 %  | 50-200          |          | 01/08/25    | 01/08/25 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |             |          |                |
|                                                       | mg/kg  | mg/kg           |          | Analyst: JM |          | Batch: 2502047 |
| Chloride                                              | ND     | 20.0            | 1        | 01/08/25    | 01/08/25 |                |





## QC Summary Data

|                              |                  |                 |                     |
|------------------------------|------------------|-----------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Merchant Pit    | <b>Reported:</b>    |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002      |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo | 1/10/2025 8:55:53AM |

## Volatile Organics by EPA 8021B

Analyst: SL

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

## Blank (2502038-BLK1)

Prepared: 01/08/25 Analyzed: 01/08/25

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| Ethylbenzene                        | ND   | 0.0250 |      |  |      |        |  |  |  |
| Toluene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| o-Xylene                            | ND   | 0.0250 |      |  |      |        |  |  |  |
| p,m-Xylene                          | ND   | 0.0500 |      |  |      |        |  |  |  |
| Total Xylenes                       | ND   | 0.0250 |      |  |      |        |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.16 |        | 8.00 |  | 89.6 | 70-130 |  |  |  |

## LCS (2502038-BS1)

Prepared: 01/08/25 Analyzed: 01/08/25

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.91 | 0.0250 | 5.00 |  | 98.2 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.74 | 0.0250 | 5.00 |  | 94.8 | 70-130 |  |  |  |
| Toluene                             | 4.84 | 0.0250 | 5.00 |  | 96.7 | 70-130 |  |  |  |
| o-Xylene                            | 4.73 | 0.0250 | 5.00 |  | 94.5 | 70-130 |  |  |  |
| p,m-Xylene                          | 9.65 | 0.0500 | 10.0 |  | 96.5 | 70-130 |  |  |  |
| Total Xylenes                       | 14.4 | 0.0250 | 15.0 |  | 95.9 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.27 |        | 8.00 |  | 90.8 | 70-130 |  |  |  |

## Matrix Spike (2502038-MS1)

Source: E501029-05

Prepared: 01/08/25 Analyzed: 01/08/25

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 5.09 | 0.0250 | 5.00 | ND | 102  | 54-133 |  |  |  |
| Ethylbenzene                        | 4.92 | 0.0250 | 5.00 | ND | 98.4 | 61-133 |  |  |  |
| Toluene                             | 5.02 | 0.0250 | 5.00 | ND | 100  | 61-130 |  |  |  |
| o-Xylene                            | 4.89 | 0.0250 | 5.00 | ND | 97.8 | 63-131 |  |  |  |
| p,m-Xylene                          | 9.99 | 0.0500 | 10.0 | ND | 99.9 | 63-131 |  |  |  |
| Total Xylenes                       | 14.9 | 0.0250 | 15.0 | ND | 99.2 | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.14 |        | 8.00 |    | 89.3 | 70-130 |  |  |  |

## Matrix Spike Dup (2502038-MSD1)

Source: E501029-05

Prepared: 01/08/25 Analyzed: 01/08/25

|                                     |      |        |      |    |      |        |       |    |  |
|-------------------------------------|------|--------|------|----|------|--------|-------|----|--|
| Benzene                             | 5.13 | 0.0250 | 5.00 | ND | 103  | 54-133 | 0.860 | 20 |  |
| Ethylbenzene                        | 4.94 | 0.0250 | 5.00 | ND | 98.9 | 61-133 | 0.517 | 20 |  |
| Toluene                             | 5.05 | 0.0250 | 5.00 | ND | 101  | 61-130 | 0.724 | 20 |  |
| o-Xylene                            | 4.93 | 0.0250 | 5.00 | ND | 98.6 | 63-131 | 0.816 | 20 |  |
| p,m-Xylene                          | 10.1 | 0.0500 | 10.0 | ND | 101  | 63-131 | 0.623 | 20 |  |
| Total Xylenes                       | 15.0 | 0.0250 | 15.0 | ND | 99.9 | 63-131 | 0.686 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.21 |        | 8.00 |    | 90.1 | 70-130 |       |    |  |



QC Summary Data

|                              |                  |                 |                     |
|------------------------------|------------------|-----------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Merchant Pit    | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002      |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo | 1/10/2025 8:55:53AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2502038-BLK1) Prepared: 01/08/25 Analyzed: 01/08/25

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |      |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.51 |      | 8.00 |  | 93.8 | 70-130 |  |  |  |

LCS (2502038-BS2) Prepared: 01/08/25 Analyzed: 01/08/25

|                                         |      |      |      |  |      |        |  |  |  |
|-----------------------------------------|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 43.1 | 20.0 | 50.0 |  | 86.1 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.60 |      | 8.00 |  | 95.0 | 70-130 |  |  |  |

Matrix Spike (2502038-MS2) Source: E501029-05 Prepared: 01/08/25 Analyzed: 01/08/25

|                                         |      |      |      |    |      |        |  |  |  |
|-----------------------------------------|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 40.3 | 20.0 | 50.0 | ND | 80.6 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.45 |      | 8.00 |    | 93.1 | 70-130 |  |  |  |

Matrix Spike Dup (2502038-MSD2) Source: E501029-05 Prepared: 01/08/25 Analyzed: 01/08/25

|                                         |      |      |      |    |      |        |      |    |  |
|-----------------------------------------|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10)        | 44.3 | 20.0 | 50.0 | ND | 88.7 | 70-130 | 9.53 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.64 |      | 8.00 |    | 95.5 | 70-130 |      |    |  |



QC Summary Data

|                              |                  |                 |                     |
|------------------------------|------------------|-----------------|---------------------|
| Matador Resources, LLC.      | Project Name:    | Merchant Pit    | Reported:           |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002      |                     |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo | 1/10/2025 8:55:53AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2502044-BLK1)            |      |      |      |  | Prepared: 01/08/25 Analyzed: 01/08/25 |        |  |  |  |
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |                                       |        |  |  |  |
| Oil Range Organics (C28-C36)    | ND   | 50.0 |      |  |                                       |        |  |  |  |
| Surrogate: n-Nonane             | 53.6 |      | 50.0 |  | 107                                   | 50-200 |  |  |  |

|                                 |      |      |      |  |                                       |        |  |  |  |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2502044-BS1)               |      |      |      |  | Prepared: 01/08/25 Analyzed: 01/08/25 |        |  |  |  |
| Diesel Range Organics (C10-C28) | 265  | 25.0 | 250  |  | 106                                   | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 58.4 |      | 50.0 |  | 117                                   | 50-200 |  |  |  |

|                                 |      |      |      |    |                    |        |                                       |  |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2502044-MS1)      |      |      |      |    | Source: E501028-02 |        | Prepared: 01/08/25 Analyzed: 01/08/25 |  |  |
| Diesel Range Organics (C10-C28) | 251  | 25.0 | 250  | ND | 100                | 38-132 |                                       |  |  |
| Surrogate: n-Nonane             | 54.6 |      | 50.0 |    | 109                | 50-200 |                                       |  |  |

|                                 |      |      |      |    |                    |        |                                       |    |  |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2502044-MSD1) |      |      |      |    | Source: E501028-02 |        | Prepared: 01/08/25 Analyzed: 01/08/25 |    |  |
| Diesel Range Organics (C10-C28) | 251  | 25.0 | 250  | ND | 100                | 38-132 | 0.219                                 | 20 |  |
| Surrogate: n-Nonane             | 54.9 |      | 50.0 |    | 110                | 50-200 |                                       |    |  |



QC Summary Data

|                                                                             |                                                                                              |                                      |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------|
| Matador Resources, LLC.<br>5400 LBJ Freeway, Suite 1500<br>Dallas TX, 75240 | Project Name: Merchant Pit<br>Project Number: 23003-0002<br>Project Manager: Ashley Giovengo | Reported:<br><br>1/10/2025 8:55:53AM |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------|

Anions by EPA 300.0/9056A

Analyst: JM

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

|                                 |      |      |     |      |                                       |        |                                       |    |    |
|---------------------------------|------|------|-----|------|---------------------------------------|--------|---------------------------------------|----|----|
| Blank (2502047-BLK1)            |      |      |     |      | Prepared: 01/08/25 Analyzed: 01/08/25 |        |                                       |    |    |
| Chloride                        | ND   | 20.0 |     |      |                                       |        |                                       |    |    |
| LCS (2502047-BS1)               |      |      |     |      | Prepared: 01/08/25 Analyzed: 01/08/25 |        |                                       |    |    |
| Chloride                        | 251  | 20.0 | 250 |      | 100                                   | 90-110 |                                       |    |    |
| Matrix Spike (2502047-MS1)      |      |      |     |      | Source: E501035-05                    |        | Prepared: 01/08/25 Analyzed: 01/08/25 |    |    |
| Chloride                        | 2130 | 200  | 250 | 1750 | 149                                   | 80-120 |                                       |    | M4 |
| Matrix Spike Dup (2502047-MSD1) |      |      |     |      | Source: E501035-05                    |        | Prepared: 01/08/25 Analyzed: 01/08/25 |    |    |
| Chloride                        | 2170 | 200  | 250 | 1750 | 166                                   | 80-120 | 1.92                                  | 20 | M4 |

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



Definitions and Notes

|                              |                  |                 |                |
|------------------------------|------------------|-----------------|----------------|
| Matador Resources, LLC.      | Project Name:    | Merchant Pit    |                |
| 5400 LBJ Freeway, Suite 1500 | Project Number:  | 23003-0002      | Reported:      |
| Dallas TX, 75240             | Project Manager: | Ashley Giovengo | 01/10/25 08:55 |

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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





## Envirotech Analytical Laboratory

Printed: 1/8/2025 8:26:16AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

|         |                         |                 |                            |                |              |
|---------|-------------------------|-----------------|----------------------------|----------------|--------------|
| Client: | Matador Resources, LLC. | Date Received:  | 01/08/25 07:15             | Work Order ID: | E501032      |
| Phone:  | (972) 371-5200          | Date Logged In: | 01/07/25 14:39             | Logged In By:  | Caitlin Mars |
| Email:  | agiovento@ensolum.com   | Due Date:       | 01/14/25 17:00 (4 day TAT) |                |              |

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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 431774

QUESTIONS

|                                                                                   |                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                                       |
|                                                                                   | Action Number:<br>431774                                               |
|                                                                                   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| Prerequisites    |                                                           |
| Incident ID (n#) | nAPP2411327945                                            |
| Incident Name    | NAPP2411327945 DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 @ 0 |
| Incident Type    | Produced Water Release                                    |
| Incident Status  | Reclamation Report Received                               |

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Location of Release Source                     |                                        |
| Please answer all the questions in this group. |                                        |
| Site Name                                      | DAGGER LAKE SOUTH SLOT 1 ROW TO SLOT 2 |
| Date Release Discovered                        | 04/21/2024                             |
| Surface Owner                                  | State                                  |

|                                                                                                      |                        |
|------------------------------------------------------------------------------------------------------|------------------------|
| Incident Details                                                                                     |                        |
| Please answer all the questions in this group.                                                       |                        |
| 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                                                                                                                                                         |                                                                                                                                                                    |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |                                                                                                                                                                    |
| Crude Oil Released (bbls) Details                                                                                                                                                    | Not answered.                                                                                                                                                      |
| Produced Water Released (bbls) Details                                                                                                                                               | Cause: Human Error   Pipeline (Any)   Produced Water   Released: 2,631 BBL   Recovered: 150 BBL   Lost: 2,481 BBL.                                                 |
| Is the concentration of chloride in the produced water >10,000 mg/l                                                                                                                  | No                                                                                                                                                                 |
| Condensate Released (bbls) Details                                                                                                                                                   | Not answered.                                                                                                                                                      |
| Natural Gas Vented (Mcf) Details                                                                                                                                                     | Not answered.                                                                                                                                                      |
| Natural Gas Flared (Mcf) Details                                                                                                                                                     | Not answered.                                                                                                                                                      |
| Other Released Details                                                                                                                                                               | Not answered.                                                                                                                                                      |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | Volume is currently unknown, we will be out this morning 4/22/24 to get a better understanding of the contaminated area and will update when submitting the C-141. |



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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 431774

**QUESTIONS (continued)**

|                                                                                   |                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                                       |
|                                                                                   | Action Number:<br>431774                                               |
|                                                                                   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>                                                                                                         |                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Is this a gas only submission (i.e. only significant Mcf values reported)                                                                               | No, according to supplied volumes this does not appear to be a "gas only" report.                                                      |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC                                                                                  | Yes                                                                                                                                    |
| Reasons why this would be considered a submission for a notification of a major release                                                                 | From paragraph A. "Major release" determine using:<br>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. |                                                                                                                                        |

**Initial Response**

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

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

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

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

|                                                    |                                                                                                                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Jason Touchet<br>Title: EHS Field Rep<br>Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a><br>Date: 11/07/2024 |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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QUESTIONS, Page 3

Action 431774

**QUESTIONS (continued)**

|                                                                                   |                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                                       |
|                                                                                   | Action Number:<br>431774                                               |
|                                                                                   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

|                                                                                                                                                                                                                                                      |                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <b>Site Characterization</b>                                                                                                                                                                                                                         |                                |
| <i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i> |                                |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)                                                                                                                           | Between 100 and 500 (ft.)      |
| What method was used to determine the depth to ground water                                                                                                                                                                                          | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water                                                                                                                                                                                                 | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>                                                                                                                             |                                |
| A continuously flowing watercourse or any other significant watercourse                                                                                                                                                                              | Between ½ and 1 (mi.)          |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)                                                                                                                                                                    | Between 1 and 5 (mi.)          |
| An occupied permanent residence, school, hospital, institution, or church                                                                                                                                                                            | Greater than 5 (mi.)           |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes                                                                                                                            | Greater than 5 (mi.)           |
| Any other fresh water well or spring                                                                                                                                                                                                                 | Greater than 5 (mi.)           |
| Incorporated municipal boundaries or a defined municipal fresh water well field                                                                                                                                                                      | Between 1 and 5 (mi.)          |
| A wetland                                                                                                                                                                                                                                            | Between 1 and 5 (mi.)          |
| A subsurface mine                                                                                                                                                                                                                                    | Greater than 5 (mi.)           |
| An (non-karst) unstable area                                                                                                                                                                                                                         | Greater than 5 (mi.)           |
| Categorize the risk of this well / site being in a karst geology                                                                                                                                                                                     | Low                            |
| A 100-year floodplain                                                                                                                                                                                                                                | Greater than 5 (mi.)           |
| Did the release impact areas not on an exploration, development, production, or storage site                                                                                                                                                         | Yes                            |

|                                                                                                                                                                                                                                                                                                                                                                                       |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Remediation Plan</b>                                                                                                                                                                                                                                                                                                                                                               |            |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>                                                                                                                                                                                      |            |
| Requesting a remediation plan approval with this submission                                                                                                                                                                                                                                                                                                                           | Yes        |
| <i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>                                                                                                                                                                        |            |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                                                                                                                                                                                                          | Yes        |
| Was this release entirely contained within a lined containment area                                                                                                                                                                                                                                                                                                                   | No         |
| <b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)                                                                                                                                                                                                                                                                     |            |
| Chloride (EPA 300.0 or SM4500 Cl B)                                                                                                                                                                                                                                                                                                                                                   | 9730       |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)                                                                                                                                                                                                                                                                                                                                           | 2364       |
| GRO+DRO (EPA SW-846 Method 8015M)                                                                                                                                                                                                                                                                                                                                                     | 1490       |
| BTEX (EPA SW-846 Method 8021B or 8260B)                                                                                                                                                                                                                                                                                                                                               | 0          |
| Benzene (EPA SW-846 Method 8021B or 8260B)                                                                                                                                                                                                                                                                                                                                            | 0          |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>                                                                        |            |
| On what estimated date will the remediation commence                                                                                                                                                                                                                                                                                                                                  | 09/25/2024 |
| On what date will (or did) the final sampling or liner inspection occur                                                                                                                                                                                                                                                                                                               | 10/11/2024 |
| On what date will (or was) the remediation complete(d)                                                                                                                                                                                                                                                                                                                                | 10/11/2024 |
| What is the estimated surface area (in square feet) that will be reclaimed                                                                                                                                                                                                                                                                                                            | 26152      |
| What is the estimated volume (in cubic yards) that will be reclaimed                                                                                                                                                                                                                                                                                                                  | 5300       |
| What is the estimated surface area (in square feet) that will be remediated                                                                                                                                                                                                                                                                                                           | 26152      |
| What is the estimated volume (in cubic yards) that will be remediated                                                                                                                                                                                                                                                                                                                 | 5300       |
| <i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>                                                                                                                                                                                |            |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i> |            |

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QUESTIONS, Page 4

Action 431774

**QUESTIONS (continued)**

|                                                                                   |                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                                       |
|                                                                                   | Action Number:<br>431774                                               |
|                                                                                   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Remediation Plan (continued)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                      |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                      |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                      |
| <i>(Select all answers below that apply.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                      |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Yes</b>                                                                                                                                                           |
| Which OCD approved facility will be used for <b>off-site</b> disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Not answered.</i>                                                                                                                                                 |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Not answered.</i>                                                                                                                                                 |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>No</b>                                                                                                                                                            |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Yes</b>                                                                                                                                                           |
| What is the name of the NMED facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Lea Land                                                                                                                                                             |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>No</b>                                                                                                                                                            |
| (In Situ) Soil Vapor Extraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>No</b>                                                                                                                                                            |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>No</b>                                                                                                                                                            |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>No</b>                                                                                                                                                            |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>No</b>                                                                                                                                                            |
| Ground Water Abatement pursuant to 19.15.30 NMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>No</b>                                                                                                                                                            |
| OTHER (Non-listed remedial process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>No</b>                                                                                                                                                            |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                      |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |                                                                                                                                                                      |
| I hereby agree and sign off to the above statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Name: Jason Touchet<br>Title: EHS Field Rep<br>Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a><br>Date: 11/07/2024 |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                      |

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QUESTIONS, Page 5  
  
Action 431774

QUESTIONS (continued)

|                                                                                       |                                                                            |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Operator:<br><br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br><br>228937                                                       |
|                                                                                       | Action Number:<br><br>431774                                               |
|                                                                                       | Action Type:<br><br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

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

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QUESTIONS, Page 6

Action 431774

**QUESTIONS (continued)**

|                                                                                   |                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                                       |
|                                                                                   | Action Number:<br>431774                                               |
|                                                                                   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| Sampling Event Information                                                                      |            |
|-------------------------------------------------------------------------------------------------|------------|
| Last sampling notification (C-141N) recorded                                                    | 390484     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/11/2024 |
| What was the (estimated) number of samples that were to be gathered                             | 179        |
| What was the sampling surface area in square feet                                               | 26152      |

| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 26152                                                                                                                                                                |
| What was the total volume (cubic yards) remediated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5300                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 26152                                                                                                                                                                |
| What was the total volume (in cubic yards) reclaimed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5300                                                                                                                                                                 |
| Summarize any additional remediation activities not included by answers (above)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/A                                                                                                                                                                  |
| <i>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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                      |
| 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<br>Title: EHS Field Rep<br>Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a><br>Date: 11/07/2024 |

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QUESTIONS, Page 7

Action 431774

**QUESTIONS (continued)**

|                                                                                   |                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                                       |
|                                                                                   | Action Number:<br>431774                                               |
|                                                                                   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reclamation Report</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <i>Only answer the questions in this group if all reclamation steps have been completed.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Requesting a reclamation approval with this submission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| What was the total reclamation surface area (in square feet) for this site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 26152                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| What was the total volume of replacement material (in cubic yards) for this site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Is the soil top layer complete and is it suitable material to establish vegetation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| On what (estimated) date will (or was) the reseeding commence(d)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11/11/2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Summarize any additional reclamation activities not included by answers (above)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | "Following backfill activities, the disturbed area was contoured to match the surrounding topography and the surface was prepared for seeding. Upon confirmation that the excavation was backfilled with non-waste containing material, the disturbed pasture area will be seeded with a certified weed-free seed mix. The James H & Betty Howell Trust Mix was used to seed the Site. The seed mix was applied via drill seeding. The Site will be monitored for vegetation growth to ensure that reclamation activities were successful." |
| <i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. 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<br>Title: EHS Field Rep<br>Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a><br>Date: 02/13/2025                                                                                                                                                                                                                                                                                                                                                                        |

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 8  
  
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QUESTIONS (continued)

|                                                                                       |                                                                            |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Operator:<br><br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br><br>228937                                                       |
|                                                                                       | Action Number:<br><br>431774                                               |
|                                                                                       | Action Type:<br><br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

|                                                                                                                                                                                                                   |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <b>Revegetation Report</b>                                                                                                                                                                                        |    |
| <i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>                                                                         |    |
| Requesting a restoration complete approval with this submission                                                                                                                                                   | No |
| <i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i> |    |

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CONDITIONS

Action 431774

CONDITIONS

|                                                                                   |                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                                       |
|                                                                                   | Action Number:<br>431774                                               |
|                                                                                   | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| scwells    | None      | 2/25/2025      |