



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.

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



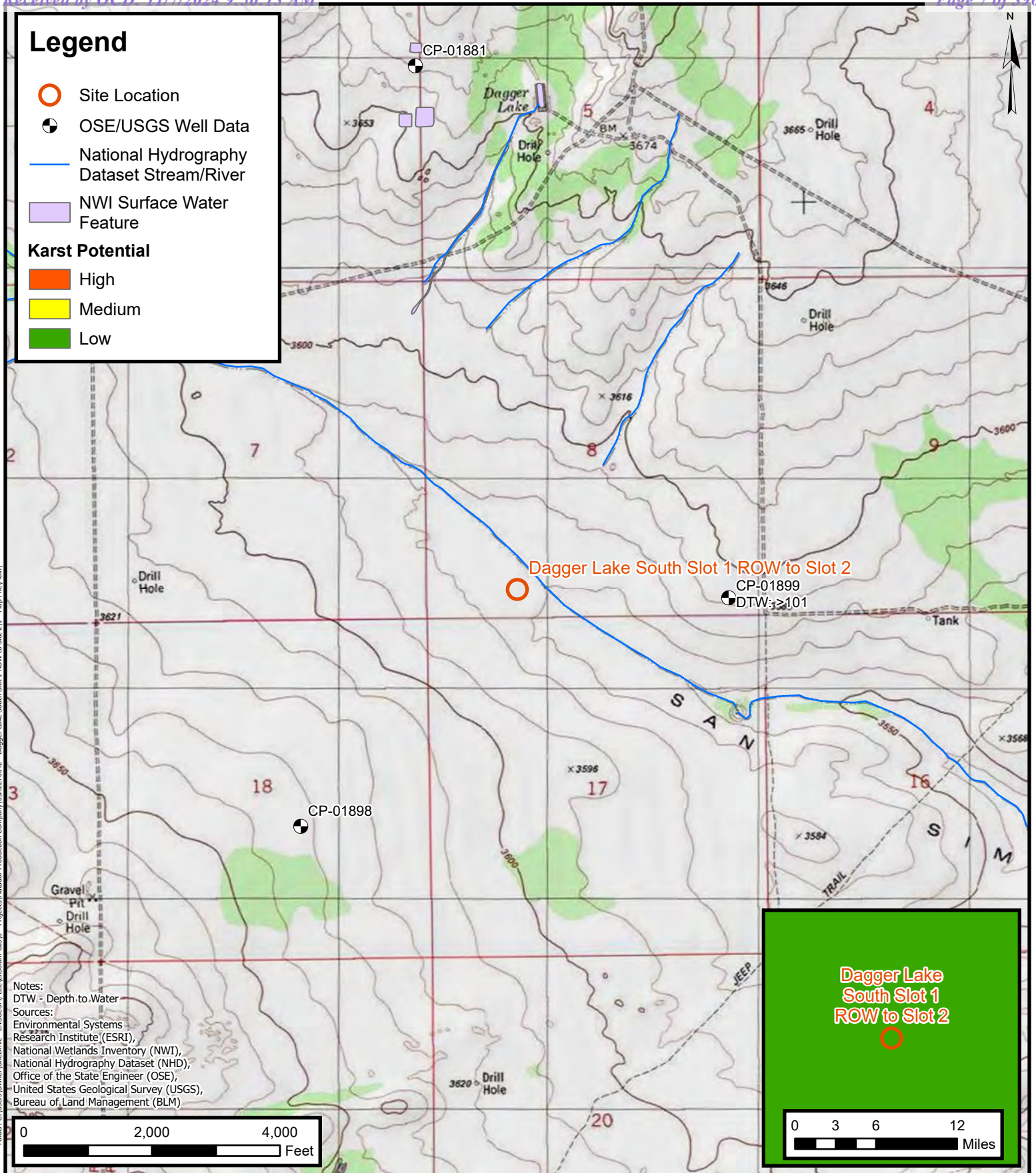
FIGURES

Legend

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

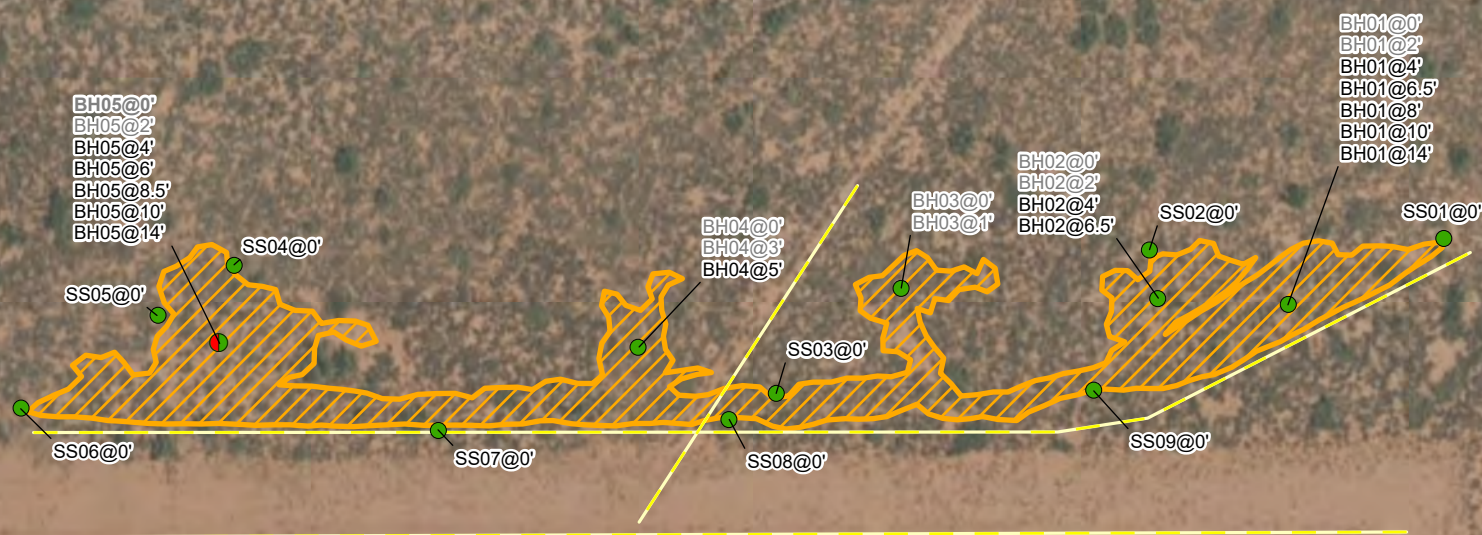
Karst Potential

- High
- Medium
- Low



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.

0 25 50 100 150 200
 Feet

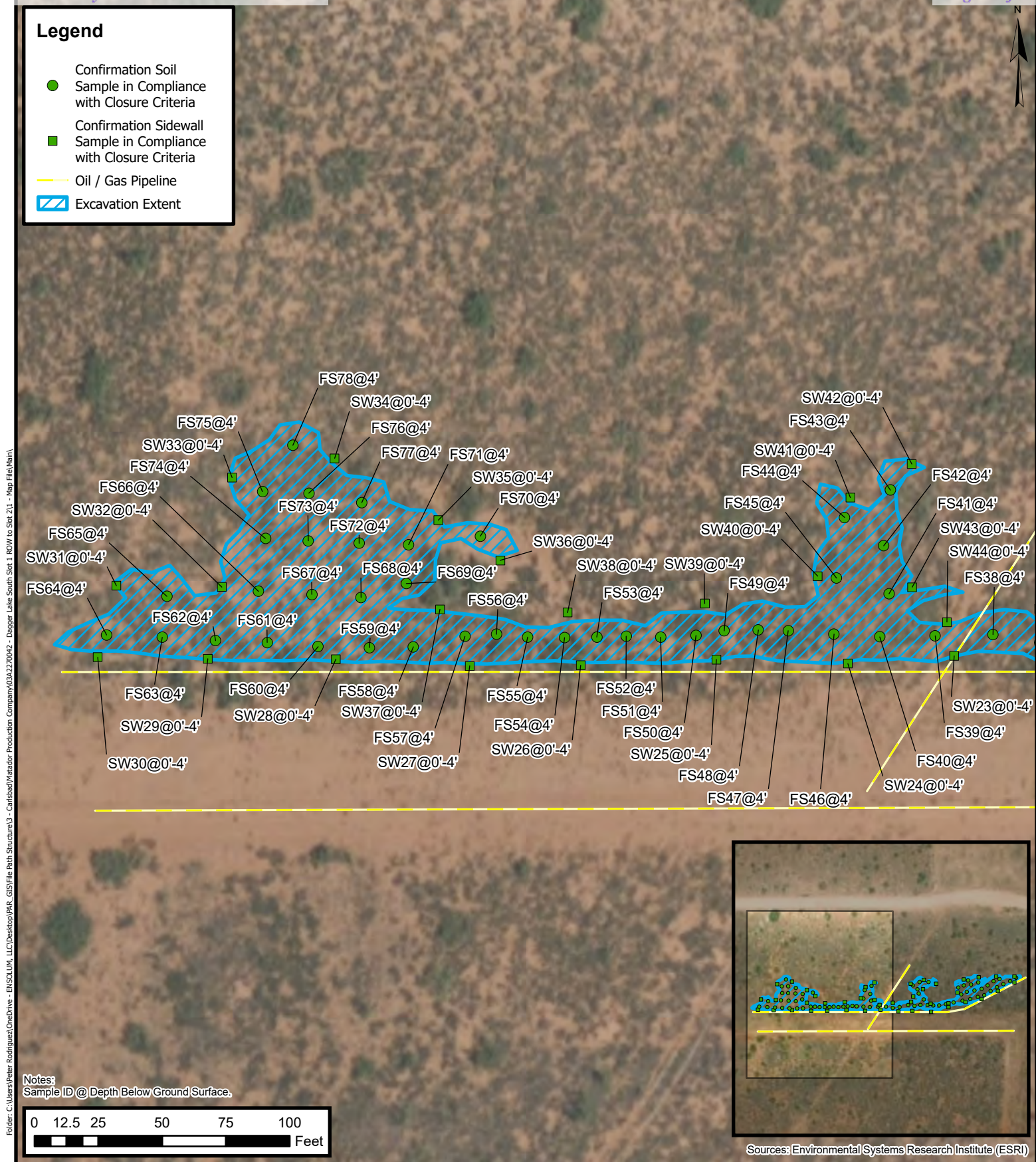
Sources: Environmental Systems Research Institute (ESRI)



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



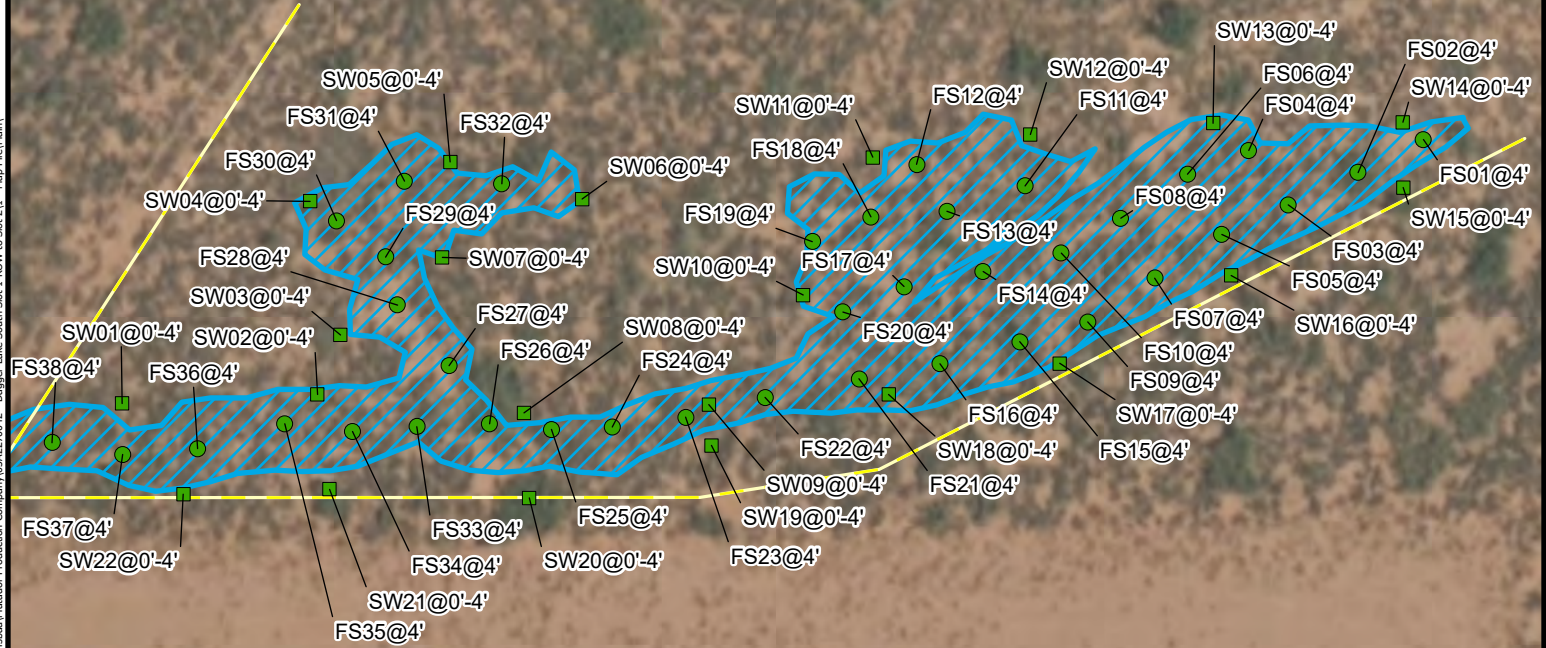
Confirmation Soil Sample Locations

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

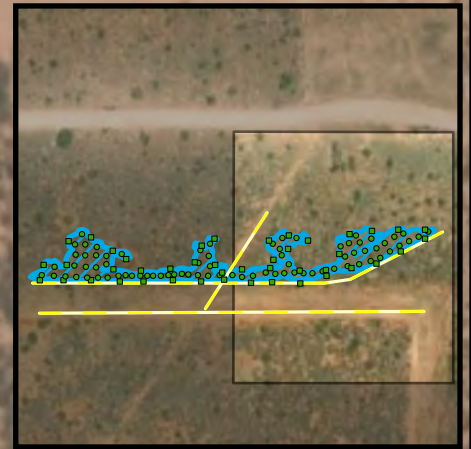
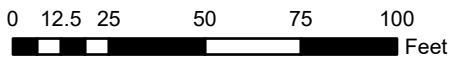
**FIGURE
3A**

Legend

- Confirmation Soil Sample in Compliance with Closure Criteria
- Confirmation Sidewall Sample in Compliance with Closure Criteria
- Oil / Gas Pipeline
- ▨ Excavation Extent



Notes:
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



Confirmation Soil Sample Locations

Matador Production Company
Dagger Lake South Slot 1 ROW to Slot 2
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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
Delineation Soil Samples										
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

<": 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

<": 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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Sidewall Soil Samples										
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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mg/kg: milligrams per kilogram

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Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log & Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

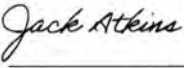
1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO.		OSE FILE NO(S). CP-1899			
	WELL OWNER NAME(S) Marathon Oil				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 4111 S Tidwell Rd.				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 23	SECONDS 59.07 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 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 SE SE SE Sec. 09 T22S R33E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 2/9/2022		DRILLING ENDED 2/24/2022		DEPTH OF COMPLETED WELL (FT) temporary casing	BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 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

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	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		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):	0.00
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
MISCELLANEOUS INFORMATION: Temporary well materials removed and 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. <div style="text-align: right;">DATE: 03 MAR 21 2022 -EAP/SL</div>							
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: 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: <div style="display: flex; justify-content: space-between;"><div> SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div><div>Jackie D. Atkins DATE</div><div>3/10/2022</div></div>						

FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	CP-1899	POD NO.	Pod1
LOCATION	SESESE 8 225 33E	TRN NO.	717713
		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,

A handwritten signature in blue ink, appearing to read "M. Telles", written over a horizontal line.


Megen Telles
(575) 622-6521


drywell





APPENDIX B


Lithologic Soil Sampling Logs


 ENSOLUM								Sample Name: BH01		Date: 5/13/24	
								Site Name: Dagger Lake South Slot 1 ROW to Slot 2			
								Incident Number: nAPP2411327945			
								Job Number: 03A2270042			
LITHOLOGIC / SOIL SAMPLING LOG								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	>3,466		N	BH01	4	4					
M	>3,466		N	BH01	5	5					
M	>3,466		N	BH01	6	6		CCHE	Caliche - White with some red Sand		
M	>3,466		N	BH01	7	7					
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			
LITHOLOGIC / SOIL SAMPLING LOG								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.											

 ENSOLUM								Sample Name: BH02		Date: 5/13/24	
								Site Name: Dagger Lake South Slot 1 ROW to Slot 2			
								Incident Number: nAPP2411327945			
								Job Number: 03A2270042			
LITHOLOGIC / SOIL SAMPLING LOG								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		Caliche - Tan, Some sand, Small grain, No odor			
M			N	BH02	8	8	CCHE				
M			N	BH02	9	9					
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					
LITHOLOGIC / SOIL SAMPLING LOG								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			
LITHOLOGIC / SOIL SAMPLING LOG								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			
LITHOLOGIC / SOIL SAMPLING LOG								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					

 ENSOLUM		Sample Name: BH05		Date: 5/13/24				
		Site Name: Dagger Lake South Slot 1 ROW to Slot 2						
		Incident Number: nAPP2411327945						
		Job Number: 03A2270042						
LITHOLOGIC / SOIL SAMPLING LOG								
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



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



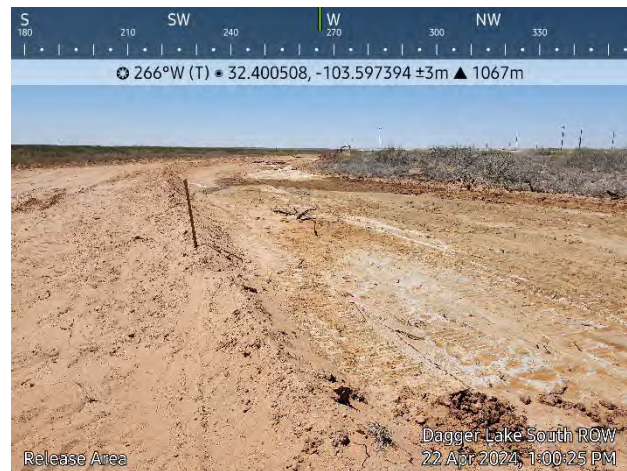
Photograph 2
Description: Release Extent
View: West

Date: 04/22/2024



Photograph 3
Description: Release Extent
View: Southeast

Date: 04/22/2024



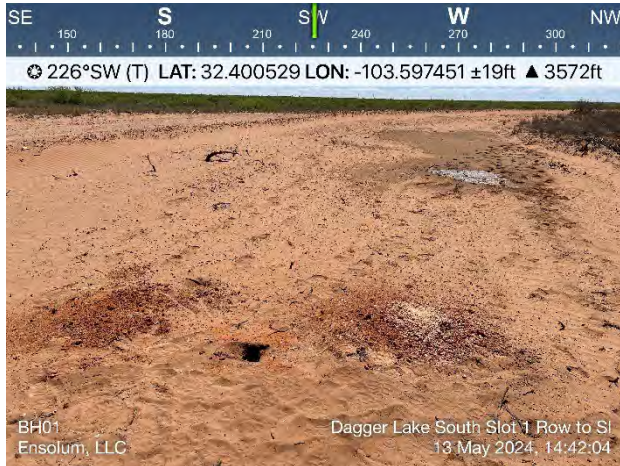
Photograph 4
Description: Release Extent
View: West

Date: 04/22/2024



Photographic Log

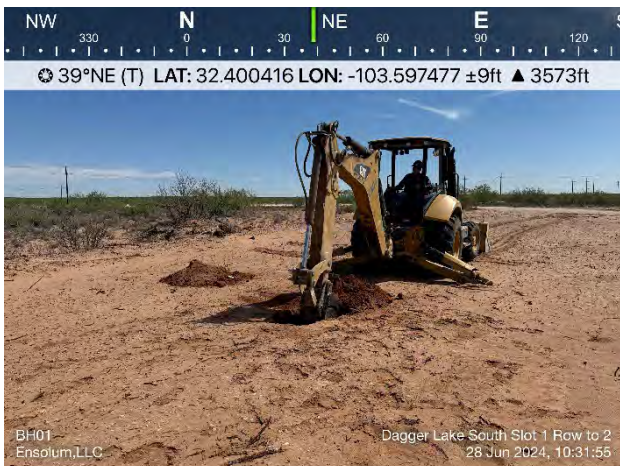
Matador Production Company
Dagger Lake South Slot 1 ROW to Slot 2
nAPP2411327945



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



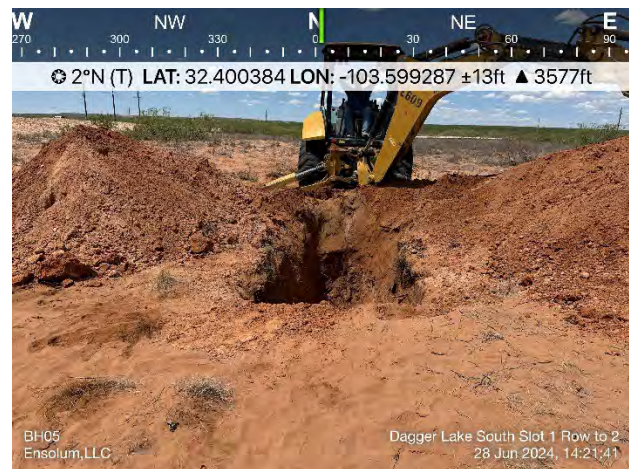
Photograph 10
Description: Potholing (BH05)
View: North

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



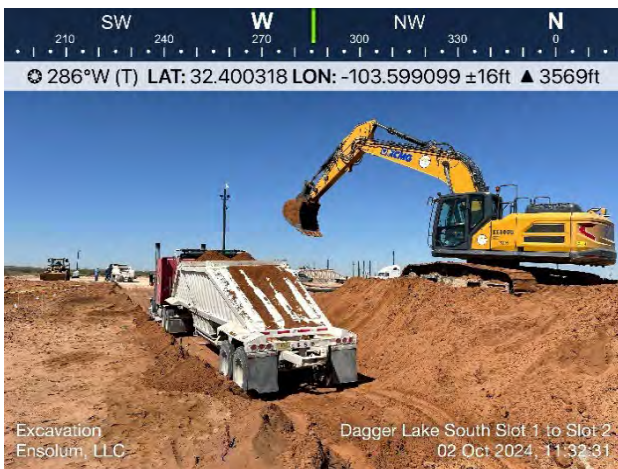
Photograph 17
Description: Excavation
View: East

Date: 09/30/2024



Photograph 18
Description: Excavation
View: East

Date: 10/01/2024



Photograph 19
Description: Excavation
View: West

Date: 10/02/2024



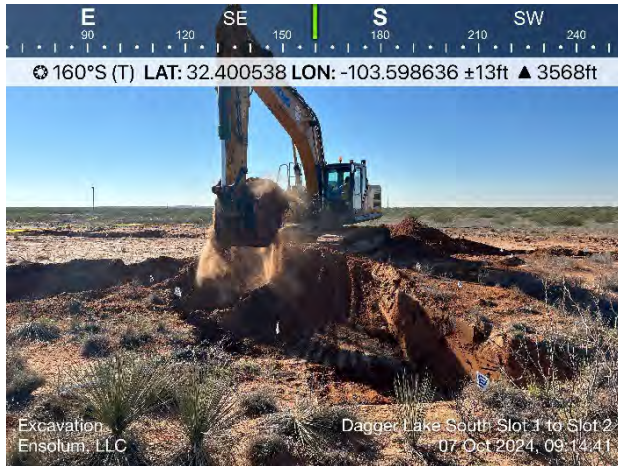
Photograph 20
Description: Excavation
View: West

Date: 10/04/2024



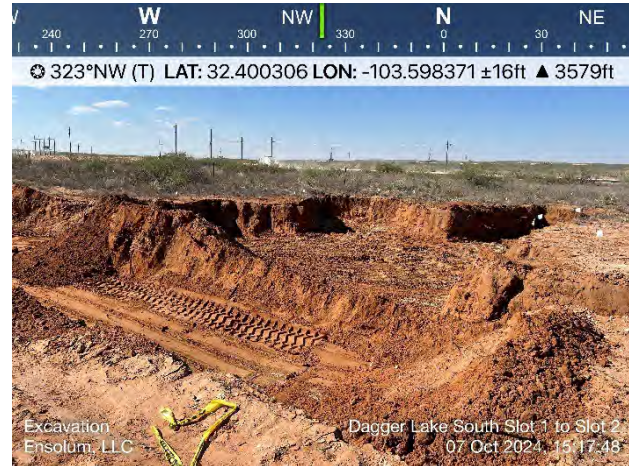
Photographic Log

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



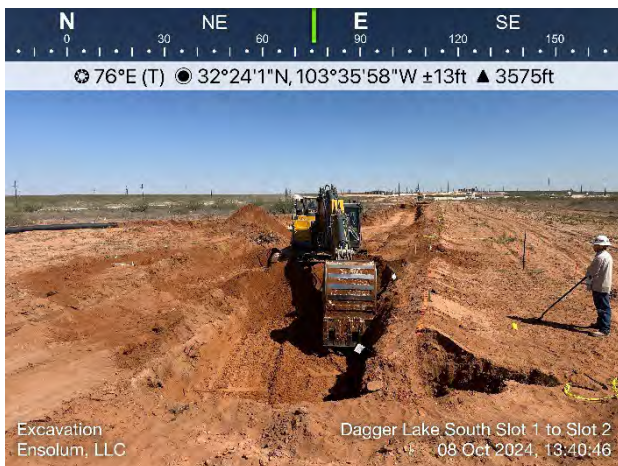
Photograph 21
Description: Excavation
View: South

Date: 10/07/2024



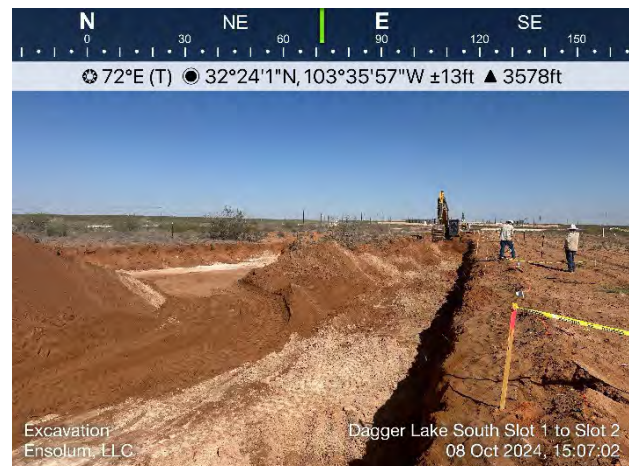
Photograph 22
Description: Excavation
View: North

Date: 10/07/2024



Photograph 23
Description: Excavation
View: East

Date: 10/08/2024



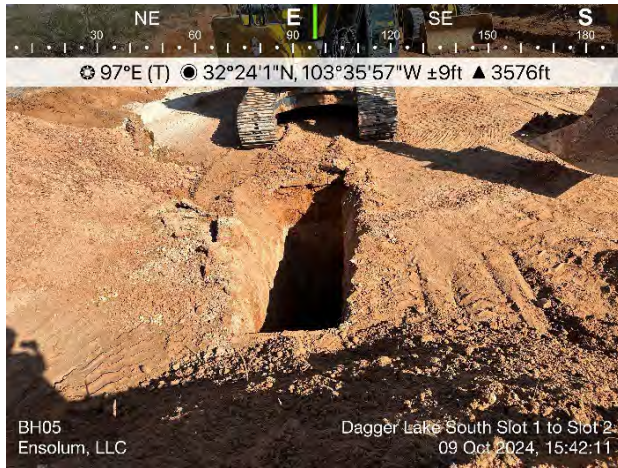
Photograph 24
Description: Excavation
View: East

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

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

Alexa Michaels
Sample Custody Officer
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador 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: 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
Volatile Organics by EPA 8021B	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	91.8 %	70-130		04/24/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	86.9 %	70-130		04/24/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	83.0 %	50-200		04/24/24	04/24/24	
Anions by EPA 300.0/9056A	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
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SS02-0'

E404241-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	92.6 %	70-130		04/24/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	87.5 %	70-130		04/24/24	04/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	79.9 %	50-200		04/24/24	04/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2417045	
Chloride	ND	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
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SS03-0'

E404241-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2417045	
Chloride	ND	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
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SS04-0'

E404241-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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SS05-0'

E404241-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	93.4 %	70-130		04/24/24	04/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	87.7 %	70-130		04/24/24	04/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	80.4 %	50-200		04/24/24	04/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2417045	
Chloride	171	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
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SS06-0'

E404241-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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SS07-0'

E404241-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	93.1 %	70-130		04/24/24	04/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	88.0 %	70-130		04/24/24	04/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	82.2 %	50-200		04/24/24	04/25/24	
Anions by EPA 300.0/9056A	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
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SS08-0'

E404241-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	93.3 %	70-130		04/24/24	04/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	87.9 %	70-130		04/24/24	04/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	86.1 %	50-200		04/24/24	04/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2417045	
Chloride	ND	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
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SS09-0'

E404241-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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. 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
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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	Bill To Attention: Ensolum LLC Address: on file City, State, Zip: Phone: 575-988-0055 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		E404241	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		
Phone: 575-988-0055								State			
Email: agiovengo@ensolum.com							NM	CO	UT	AZ	TX
Report due by:							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
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 Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<i>Michelle Gonzales</i>	4/23/24	1015	<i>Michelle Gonzales</i>	4-23-24	1015	
<i>Michelle Gonzales</i>	4-23-24	1619	<i>Andrea</i>	4-23-24	1800	
<i>Andrea</i>	4-23-24	2400	<i>Kayla R. Hella</i>	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

Carrier: Courier

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

Comments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? 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: 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.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/22/24



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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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mgonzales@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
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BH01-0'

E405200-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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BH01-2'

E405200-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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BH01-4'

E405200-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420196
Chloride	8000	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

BH01-6.5'

E405200-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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BH02-0'

E405200-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420196
Chloride	4260	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

BH02-2'

E405200-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420196
Chloride	3980	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
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BH02-4'

E405200-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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BH02-6.5'
E405200-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420196
Chloride	3010	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

BH03-0'

E405200-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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BH04-3'

E405200-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420196
Chloride	2430	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
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BH04-5'

E405200-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420196
Chloride	448	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

BH05-0'

E405200-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420196
Chloride	8130	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
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BH05-2'

E405200-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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BH05-6'

E405200-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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BH05-8.5'
E405200-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

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: 11/13/2024 4:12:10 PM

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	BTEX 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																					
Report due by:																					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks					
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 <u>4</u>													
		5.14.24	2400			5/15/24	900														
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.																					

Released to Imaging: 11/13/2024 4:12:10 PM

Received by OCD: 11/17/2024 9:50:13 AM

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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		E 405200		230530002					X		
Address: 3122 National Parks Hwy		City, State, Zip:		Analysis and Method									
City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDGC TX	RCRA	
Phone: 575-988-0055		Email: agiovengo@ensolum.com		State									
Email: agiovengo@ensolum.com				NM CO UT AZ TX									
Report due by:				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	GDGC 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
		5/14/24	8:35			5-14-24	1215
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time
		5-14-24	1815			5-14-24	1815
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time
		5-14-24	2400			5/15/24	900

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.

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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,

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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: 07/08/24 11:50
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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. 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
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BH01@8'

E407008-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2427027	
Chloride	4380	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

BH01@10'**E407008-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		07/02/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2427024	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/24	07/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/02/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	86.0 %	50-200		07/02/24	07/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2427027	
Chloride	4160	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
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BH01@14'
E407008-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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BH05@10'
E407008-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	90.8 %	70-130		07/02/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	94.9 %	50-200		07/02/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2427027	
Chloride	4930	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
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BH05@14'
E407008-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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.	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

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2427027-BLK1)					Prepared: 07/02/24 Analyzed: 07/02/24				
Chloride	ND	20.0							
LCS (2427027-BS1)					Prepared: 07/02/24 Analyzed: 07/02/24				
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2427027-MS1)					Source: E407008-03		Prepared: 07/02/24 Analyzed: 07/02/24		
Chloride	4140	40.0	250	3880	106	80-120			
Matrix Spike Dup (2427027-MSD1)					Source: E407008-03		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: 11/7/2024 9:50:13 AM

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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: 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. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

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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.
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: 10/7/24

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
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Cell: 775-287-1762
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: 10/07/24 05:53
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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
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FS01-4'
E409295-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	99.5 %	70-130		10/01/24	10/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	95.9 %	70-130		10/01/24	10/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440049	
Chloride	789	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
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FS02-4'
E409295-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440049	
Chloride	4280	40.0	2	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
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FS03-4'
E409295-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440049	
Chloride	6010	100	5	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
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FS04-4'
E409295-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	99.3 %	70-130		10/01/24	10/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	96.6 %	70-130		10/01/24	10/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	115 %	50-200		10/01/24	10/04/24	
Anions by EPA 300.0/9056A	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
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FS05-4'
E409295-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	98.7 %	70-130		10/01/24	10/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	95.8 %	70-130		10/01/24	10/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	111 %	50-200		10/01/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440049	
Chloride	5900	100	5	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
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FS06-4'
E409295-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440049	
Chloride	2920	40.0	2	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
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FS07-4'

E409295-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440049	
Chloride	5430	100	5	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
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FS08-4'
E409295-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ 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>John H.</u>		9/30/24		24:00		<u>Clayton Mon</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
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Cell: 775-287-1762
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:
10/10/24 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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS10-4'
E410036-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	95.8 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS11-4'

E410036-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	95.4 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	98.9 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	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
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FS12-4'

E410036-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	96.1 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2440110	
Chloride	447	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
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FS13-4'
E410036-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2440110	
Chloride	3630	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
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FS14-4'
E410036-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2440110	
Chloride	2340	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
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FS15-4'

E410036-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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		95.2 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		101 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	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
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FS16-4'
E410036-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	97.4 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	101 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2440110	
Chloride	5640	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
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FS17-4'
E410036-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS18-4'
E410036-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	95.6 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	104 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2440110	
Chloride	2360	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

FS19-4'

E410036-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
		95.5 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
		110 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2440110
Chloride	2340	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
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FS20-4'

E410036-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2440110	
Chloride	3790	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
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FS21-4'

E410036-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2440110	
Chloride	3360	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
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FS22-4'

E410036-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS23-4'

E410036-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	104 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	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
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FS24-4'

E410036-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2440110	
Chloride	4620	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
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FS25-4'

E410036-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS26-4'

E410036-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane	107 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	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
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FS27-4'
E410036-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	100 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	94.6 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	104 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	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
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FS28-4'

E410036-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	96.7 %	70-130		10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	114 %	50-200		10/04/24	10/05/24	
Anions by EPA 300.0/9056A	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
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FS29-4'

E410036-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS30-4'

E410036-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2440112
Chloride	5540	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
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FS31-4'
E410036-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS32-4'

E410036-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS33-4'
E410036-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS34-4'

E410036-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS35-4'
E410036-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS36-4'

E410036-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2440112
Chloride	7090	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
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FS37-4'

E410036-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2440112
Chloride	3780	40.0	2	10/04/24	10/05/24	



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

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

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: 11/17/2024 9:50:13 AM

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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 2 Row to slot 2</u>				Address: 3122 National Parks Hwy				E 410036		23063-0002										<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										
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.																			
<u>[Signature]</u>		10/3/24	8:15	<u>[Signature]</u>		10/3/24	12:35	<div>Lab Use Only</div> <div>Received on ice: <input checked="" type="checkbox"/> Y / N</div> <div>T1 _____ T2 _____ T3 _____</div> <div>AVG Temp °C <u>4</u></div>																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
<u>[Signature]</u>		10/3/24	16:05	<u>[Signature]</u>		10/3/24	17:30																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
<u>[Signature]</u>		10/3/24	2:40	<u>[Signature]</u>		10/4/24	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.																											



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Chain of Custody

Page 2 of 3

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: <u>Dugger Lake south slot 2 ROW to slot 2</u>				Address: 3122 National Parks Hwy		E410036		13003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	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+		19						X					
1336				28		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 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. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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Chain of Custody

Page 3 of 3

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: <u>Dagge Lake South Slot 1 PCW to Slot 2</u>				Address: 3122 National Parks Hwy				E 410036		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		
															Compliance	Y	or	N	
															PWSID #				
															Remarks				
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. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



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Envirotech Analytical Laboratory

Printed: 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



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: 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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South Slot 1 ROW to Slot 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 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. 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
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SW 05 - 0 - 4'
E410058-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	101 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	95.3 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	96.5 %	50-200		10/08/24	10/08/24	
Anions by EPA 300.0/9056A	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
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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SW 11 - 0 - 4'

E410058-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	101 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	95.9 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	94.1 %	50-200		10/08/24	10/08/24	
Anions by EPA 300.0/9056A	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
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SW 12 - 0 - 4'
E410058-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	101 %	70-130		10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	96.9 %	50-200		10/08/24	10/08/24	
Anions by EPA 300.0/9056A	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
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SW 13 - 0 - 4'
E410058-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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		94.9 %	70-130	10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		96.8 %	50-200	10/08/24	10/08/24	
Anions by EPA 300.0/9056A	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. 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
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SW 14 - 0 - 4'
E410058-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2441028	
Chloride	224	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 21 - 0 - 4'

E410058-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
		95.2 %	50-200	10/08/24	10/08/24	
Anions by EPA 300.0/9056A						
	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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

Received by OCD: 11/17/2024 9:50:13 AM

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 10 Slot 2</u>				Address: 3122 National Parks Hwy		E 410058		Job Number				230030002					
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		
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.									
<u>Isaiah E / Oluwale A</u>		10/7/24	08:15	<u>Michelle Gonzales</u>		10-7-24	0815										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
<u>Michelle Gonzales</u>		10-7-24	1720	<u>Michelle Gonzales</u>		10-7-24	1525	Received on ice: <u>Y</u> / N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____									
<u>Michelle Gonzales</u>		10-7-24	1055	<u>Michelle Gonzales</u>		10-8-24	0500										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

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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



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Dagger 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

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: 10/14/24

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,

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

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Dagger Lake South Slot 1 to Slot 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/24 12:21
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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. 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
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SW 20 - 0 - 4'
E410086-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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SW 01 - 0 - 4'
E410086-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	93.5 %	70-130		10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	98.7 %	70-130		10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	95.6 %	50-200		10/09/24	10/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2441054	
Chloride	167	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 03 - 0 - 4'

E410086-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	92.6 %	70-130		10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
	100 %	70-130		10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	97.9 %	50-200		10/09/24	10/10/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2441054	
Chloride	253	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 07 - 0 - 4'

E410086-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	91.8 %	70-130		10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
	97.0 %	70-130		10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	101 %	50-200		10/09/24	10/10/24	
Anions by EPA 300.0/9056A						
	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
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SW 19 - 0 - 4'
E410086-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	89.5 %	70-130		10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	97.5 %	70-130		10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	99.2 %	50-200		10/09/24	10/10/24	
Anions by EPA 300.0/9056A	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. 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
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SW 06 - 0 - 4'
E410086-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2441054	
Chloride	326	20.0	1	10/09/24	10/10/24	



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
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SW 08 - 0 - 4'
E410086-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2441054	
Chloride	119	20.0	1	10/09/24	10/10/24	



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
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SW 04 - 0 - 4'
E410086-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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: E410086-03Prepared: 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: E410086-03Prepared: 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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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. 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
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Anions by EPA 300.0/9056A

Analyst: JM

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

Received by OCD: 11/7/2024 9:50:13 AM

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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>Dagger Lake South Slot 1 to Slot 2</u>				Address: 3122 National Parks Hwy				E410086		23003-0002										X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																							
Address: 3122 National Parks Hwy				Phone: 575-988-0055																							
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																							
Phone: 575-988-0055				Miscellaneous:																							
Email: agiovengo@ensolum.com																											
Sample Information												Analysis and Method								EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA										
1065	10/7/24	Soil	1	SW 20-0-41		1						X															
1052				01		2						X															
1056				03		3						X															
1101				07		4						X															
1147				19		5						X															
1159				06		6						X															
1200				08		7						X															
1321				04		8						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 E. Oluwa 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. Lab Use Only Received on ice: <u>(Y)</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>																			
<u>[Signature]</u>		10/8/24	7:21	<u>Michelle Gonzales</u>		10-8-24	0721																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
<u>Michelle Gonzales</u>		10-8-24	1715	<u>[Signature]</u>		10-9-24	0800																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																				
<u>[Signature]</u>		10-8-24	1345	<u>[Signature]</u>		10-8-24	1720																				
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

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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
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Cell: 775-287-1762
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: 10/17/24 09:19
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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
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BH01 - 15'
E410107-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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BH01 - 16'

E410107-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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BH05 - 17'
E410107-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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.



Page 1 of 1

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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.

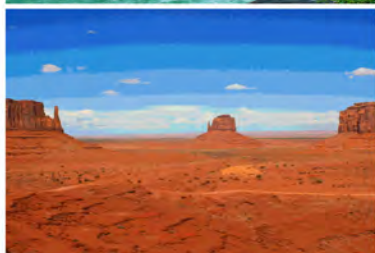
Date



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.
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: 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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Cell: 775-287-1762
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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 12:56
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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
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FS38 - 4'

E410145-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	100 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	93.6 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	101 %	50-200		10/15/24	10/16/24	
Anions by EPA 300.0/9056A	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
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FS39 - 4'

E410145-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		101 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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		92.6 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		99.9 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	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
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FS40 - 4'

E410145-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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		92.0 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		101 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2442088	
Chloride	3770	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

FS41 - 4'

E410145-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2442088	
Chloride	5730	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
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FS42 - 4'

E410145-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2442088	
Chloride	6920	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
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FS43 - 4'

E410145-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS44 - 4'

E410145-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		101 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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		92.4 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		112 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	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
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FS45 - 4'

E410145-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		101 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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		92.1 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		107 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	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
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FS46 - 4'

E410145-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	92.3 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2442088	
Chloride	3200	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
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FS47 - 4'

E410145-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS48 - 4'

E410145-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	92.3 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	105 %	50-200		10/15/24	10/16/24	
Anions by EPA 300.0/9056A	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
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FS49 - 4'

E410145-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	89.3 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	105 %	50-200		10/15/24	10/16/24	
Anions by EPA 300.0/9056A	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
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FS50 - 4'

E410145-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		105 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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		92.4 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		105 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	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
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FS51 - 4'

E410145-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		104 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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		91.9 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		116 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2442088	
Chloride	2900	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

FS52 - 4'

E410145-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS53 - 4'

E410145-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS54 - 4'

E410145-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	103 %	70-130		10/15/24	10/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	88.3 %	70-130		10/15/24	10/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	105 %	50-200		10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
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FS55 - 4'

E410145-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		103 %	70-130	10/15/24	10/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	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		88.5 %	70-130	10/15/24	10/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		104 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
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FS56 - 4'

E410145-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	89.5 %	70-130		10/15/24	10/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	106 %	50-200		10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
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FS57 - 4'

E410145-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	89.1 %	70-130		10/15/24	10/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	112 %	50-200		10/15/24	10/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2442088	
Chloride	6470	100	5	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 12:56:23PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Received by OCD: 11/7/2024 9:50:13 AM

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>Bigger Lake South Slot 1 Row 10 Slot 2</u>				Address: 3122 National Parks Hwy		E410145		23003-0002				<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
1201	10/10/24	Soil	1	E538 - 4'		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 ⁺		9						X					
1224				47		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>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. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ 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

Received by OCD: 11/7/2024 9:50:13 AM

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>Laguna 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 ⁺		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. Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ 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

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Laboratory Administrator
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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. 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
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SW02 - 0 - 4'
E410146-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	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
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SW09 - 0 - 4'

E410146-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	103 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	94.5 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	112 %	50-200		10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
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SW15 - 0 - 4'
E410146-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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.
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

SW17 - 0 - 4'

E410146-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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.
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

SW18 - 0 - 4'

E410146-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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. 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
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SW22 - 0 - 4'
E410146-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
		93.5 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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SW23 - 0 - 4'
E410146-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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SW24 - 0 - 4'
E410146-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	103 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	94.4 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	109 %	50-200		10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
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SW25 - 0 - 4'
E410146-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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SW26 - 0 - 4'
E410146-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	103 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	94.5 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	113 %	50-200		10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
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SW27 - 0 - 4'
E410146-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	93.6 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	109 %	50-200		10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2442089	
Chloride	145	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
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SW29 - 0 - 4'
E410146-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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		94.1 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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SW30 - 0 - 4'
E410146-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	93.8 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	112 %	50-200		10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
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SW31 - 0 - 4'
E410146-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		101 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		108 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
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SW32 - 0 - 4'
E410146-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		100 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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		94.1 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		106 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
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SW33 - 0 - 4'
E410146-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		101 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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		94.7 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		106 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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SW35 - 0 - 4'
E410146-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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		100 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	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		95.0 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		115 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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

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	
															Compliance	Y	or	N
															PWSID #			
																		Remarks
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. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ 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

Page 2 of 5

Client Information				Invoice Information		Lab Use Only		TAT		State			
Client: Matador Production Company Project: <u>Buggerb Lake South Slot 1 RDW</u> Project Manager: <u>Ashley Giovengo</u> Address: <u>3122 National Parks Hwy</u> City, State, Zip: <u>Carlsbad NM, 88220</u> Phone: <u>575-988-0055</u> Email: <u>agiovengo@ensolum.com</u>				Company: <u>Ensolum LLC</u> Address: <u>3122 National Parks Hwy</u> City, State, Zip: <u>Carlsbad NM, 88220</u> Phone: <u>575-988-0055</u> Email: <u>agiovengo@ensolum.com</u> Miscellaneous:		Lab WO# <u>E 410146</u> Job Number <u>25003.0002</u>		1D 2D 3D Std X		NM CO UT TX X			
Analysis and Method										EPA Program			
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			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number						
1317	10/11/24	Soil	1	SW 26 — 0-4'			11						
1319				27			12						
1321				28			13						
1322				29			14						
1324				30			15						
1338				31			16						
1527				32			17						
1583				33			18						
1345				34 *			19						
1347				35			20						
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. Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other								Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.													



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.

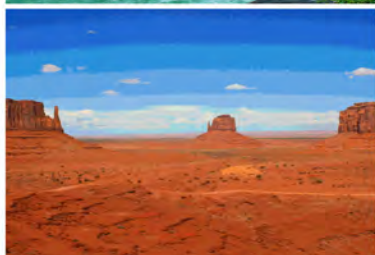
Date



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.
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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: 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,

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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
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SW36 - 0 - 4'
E410147-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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SW37 - 0 - 4'
E410147-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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SW38 - 0 - 4'
E410147-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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SW39 - 0 - 4'
E410147-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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SW40 - 0 - 4'
E410147-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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SW41 - 0 - 4'

E410147-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2442090
Chloride	272	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
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SW42 - 0 - 4'
E410147-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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SW43 - 0 - 4'
E410147-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS58 - 4'

E410147-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2442090	
Chloride	4450	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
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FS59 - 4'

E410147-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS60 - 4'

E410147-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS62 - 4'

E410147-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS63 - 4'

E410147-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS64 - 4'

E410147-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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
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FS65 - 4'

E410147-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS66 - 4'

E410147-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS67 - 4'

E410147-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS68 - 4'

E410147-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS69 - 4'

E410147-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS70 - 4'

E410147-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS71 - 4'

E410147-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS72 - 4'

E410147-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2442092	
Chloride	3120	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
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FS73 - 4'

E410147-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS75 - 4'

E410147-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS76 - 4'

E410147-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
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FS77 - 4'

E410147-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2442092
Chloride	663	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
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FS78 - 4'

E410147-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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.	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: 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 (2442090-BLK1)					Prepared: 10/16/24 Analyzed: 10/17/24				
Chloride	ND	20.0							
LCS (2442090-BS1)					Prepared: 10/16/24 Analyzed: 10/17/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2442090-MS1)					Source: E410147-07		Prepared: 10/16/24 Analyzed: 10/18/24		
Chloride	629	20.0	250	368	105	80-120			
Matrix Spike Dup (2442090-MSD1)					Source: E410147-07		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 mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	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#		Job Number		1D		2D		3D		Std		NM		CO		UT		TX	
Project: Dagge Lake South Slot 1 Add to Slot 2					Address: 3122 National Parks Hwy			410147		23003-0002										<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	Compliance	Y	or	N	PWSID #	Remarks				
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.															
Oluwale Adeniyi		10/14/24		08:15		Michelle Gonzales		10-14-24		0815																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
Michelle Gonzales		10-14-24		1640		L.H.		10-14-24		1640																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
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

Page 4 of 5

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		
																	Compliance	Y	or	N
																	PWSID #			
																	Remarks			
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 & 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. Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____										
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Chain of Custody

Client Information					Invoice Information		Lab Use Only		TAT				State				
Client: Matador Production Company					Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: <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 & 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. Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ 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
<http://www.emnrd.state.nm.us/OCD/>

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Thursday, October 10, 2024 11:49 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Arsenio Jones <arsenio.jones@matadorresources.com>; Jason Touchet <jason.touchet@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <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
<http://www.emnrd.state.nm.us/OCD/>

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Monday, September 23, 2024 1:48 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <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; [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
<http://www.emnrd.state.nm.us/OCD/>

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Thursday, July 11, 2024 9:21 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; clinton.talley@matadorresources.com; Jason Touchet <jason.touchet@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <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 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](#)
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
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(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Thursday, October 10, 2024 11:49 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Arsenio Jones <arsenio.jones@matadorresources.com>; Jason Touchet <jason.touchet@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <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

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District I
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Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS

Action 335813

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 335813
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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: 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.

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QUESTIONS, Page 2

Action 335813

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 335813
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (?) 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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ACKNOWLEDGMENTS

Action 335813

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 335813
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 335813

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 335813
	Action Type: [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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QUESTIONS

Action 336207

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 336207
	Action Type: [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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QUESTIONS, Page 2
Action 336207

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 336207
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	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 Title: Assistant Foreman Email: clinton.talley@matadorresources.com Date: 04/22/2024
--	--

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QUESTIONS, Page 3

Action 336207

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 336207
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
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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CONDITIONS

Action 336207

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 336207
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	4/22/2024

District I
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 385964

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385964
	Action Type: [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

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 385964

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385964
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	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 385968

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385968
	Action Type: [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

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

CONDITIONS

Action 385968

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385968
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/23/2024

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State of New Mexico
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 385969

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385969
	Action Type: [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

District I
1625 N. French Dr., Hobbs, NM 88240
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Santa Fe, NM 87505

CONDITIONS

Action 385969

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385969
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	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: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385970
	Action Type: [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
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

CONDITIONS

Action 385970

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385970
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	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: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385973
	Action Type: [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
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Santa Fe, NM 87505

CONDITIONS

Action 385973

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385973
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	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: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385978
	Action Type: [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
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

CONDITIONS

Action 385978

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385978
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	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 385980

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385980
	Action Type: [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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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 385980

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385980
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	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: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 389399
	Action Type: [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
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
1625 N. French Dr., Hobbs, NM 88240
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 389399

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 389399
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	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 389402

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 389402
	Action Type: [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
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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 389402

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 389402
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	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 389406

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 389406
	Action Type: [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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CONDITIONS

Action 389406

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 389406
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/2/2024

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QUESTIONS

Action 389412

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 389412
	Action Type: [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

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CONDITIONS

Action 389412

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 389412
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/2/2024

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QUESTIONS

Action 390479

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390479
	Action Type: [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

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CONDITIONS

Action 390479

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390479
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/7/2024

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QUESTIONS

Action 390481

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390481
	Action Type: [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

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CONDITIONS

Action 390481

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390481
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/7/2024

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QUESTIONS

Action 390484

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390484
	Action Type: [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

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CONDITIONS

Action 390484

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 390484
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/7/2024

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QUESTIONS

Action 400290

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	Remediation Closure 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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QUESTIONS, Page 2

Action 400290

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 11/07/2024
--	--

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QUESTIONS, Page 3

Action 400290

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	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

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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 400290

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 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 400290

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 400290

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 11/07/2024
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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 7

Action 400290

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 400290

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400290
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/13/2024