E N S O L U M

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, 5point 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

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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 though 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

Ashley Giovengo Senior Scientist

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 1Soil Sample Analytical Results (Delineation Soil Samples)
- Table 2
 Soil Sample Analytical Results (Confirmation Soil Samples)
- Table 3Soil 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

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

Page 8 of 396



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



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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			
				Delin	eation Soil San	nples							
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			
-				Delir	neation Soil Sar	nples							
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	
				Excava	tion Floor Soil S	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 FS29	10/2/2024	4 4	<0.0250	<0.0500	<20.0 <20.0	<25.0 <25.0	<50.0 <50.0	<20.0	<25.0 <25.0	4,820	
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	

				SOIL SAMP Dagger Lak Matado	BLE 2 - CON LE ANALYTICA e South Slot 1 R or Production Co County, New Me	L RESULTS OW to Slot 2 mpany				
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
				Excavat	tion Floor Soil S	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 FS39	10/10/2024 10/10/2024	4	<0.0250 <0.0250	<0.0500 <0.0500	<20.0 <20.0	<25.0 <25.0	<50.0 <50.0	<20.0 <20.0	<25.0 <25.0	6,360 3,420
FS39 FS40	10/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	3,420
FS40 FS41	10/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	5,730
FS41 FS42	10/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	6,920
FS42	10/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	4,140
FS43 FS44	10/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	3,750
FS44 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				
				Excava	tion Floor Soil S	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

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Grey text represents samples that have been excavated

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

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

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

- GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics
- TPH: Total Petroleum Hydrocarbon
- BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 3 SOIL SAMPLE ANALYTICAL RESULTS Dagger 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		
				Sid	ewall Soil Sam	oles						
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				
				Sid	ewall Soil Sam	ples			·					
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:

bgs: below ground surface

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

NC	OSE POD NO. (W POD1 (TW-1).)		WELL TAG ID NO.	-		OSE FILE NO(CP-1899	S).			
OCATIC	WELL OWNER M Marathon Oil)				1	PHONE (OPTI	ONAL)			
WELL L	WELL OWNER M 4111 S Tidwe		3 ADDRESS					CITY Carlsbad		STATI NM	88220	ZIP
GENERAL AND WELL LOCATION	WELL LOCATION	LA	DE	egrees 32	MINUTES 23	seconds 59.07	N		REQUIRED: ONE TE	NTH OF A	SECOND	
ENER	(FROM GPS)	-	NGITUDE	103	35	16.17	W		QUIRED: WGS 84			_
1.6	and the second se		22S R33E, NMPM	SIREEI ADD	RESS AND COMMON	LANDMARKS	-PL	SS (SECTION, TO	WNSHJIP, KANGE) W	HEKE AV	AILABLE	
	LICENSE NO. 1249		NAME OF LICENSED		Jackie D. Atkins	1.5			NAME OF WELL D Atkins Er		COMPANY g Associates, l	inc.
	DRILLING STAF 2/9/2022		DRILLING ENDED 2/24/2022		MPLETED WELL (FI	r) BOR		le depth (ft) ±101	DEPTH WATER FI	RST ENCO		
N	COMPLETED W	ELL IS:	ARTESIAN	Ø DRY HO	LE 🗌 SHALLO	W (UNCONFINI	ED)		WATER LEVEL PLETED WELL	n/a	DATE STATIC 2/24/22, 3	
ATIO	DRILLING FLUI	D:	AIR	MUD	ADDITIV	ES – SPECIFY:			1			
ORM	DRILLING MET	HOD:	ROTARY HAM		LE TOOL 🔽 OTH		H	Hollow Stem	Auger CHEC	ALLED	F PITLESS ADA	
2. DRILLING & CASING INFORMATION	DEPTH (fee	t bgl) TO	BORE HOLE DIAM (inches)	(include	MATERIAL AND GRADE each casing string, sections of screen)	and	CON	ASING NECTION FYPE	CASING INSIDE DIAM. (inches)	TH	SING WALL IICKNESS (inches)	SLOT SIZE (inches
G & CA	0	101	±8.5		Boring	(add	coup	oling diameter)				-
ILLING							-					
2. DR									-	-		
									COSE DATI MA	8112	022:0487.4°	
		-										
	DEPTH (fee	t bgl)	BORE HOLE		ST ANNULAR SE	AL MATERI	AL	AND	AMOUNT	-	метно	D OF
ERIAL	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZE-	RANGE BY	INTE	ERVAL	(cubic feet)	-	PLACEN	MENT
ANNULAR MATERIAL												
3. ANT							_					
FOR	OSE INTERNA	LUSE		I				WR-2) WELL RECORD	0&10G	(Version 01/2	8/2022)
			899		POD NO	POD	1	TRN N		713		012022]
LOC	ATION <	25	252	82	25 30	35		WELL TAG II	NO. NA	-	PAGE	1 OF 2

	DEPTH (fe	et bgl)		COLOR	AND TYPE OF	MATERIAL I	ENCOUN	TERED -		WATER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)	ense so enos	TER-BEARING				S BI	EARING? ES / NO)	WATER- BEARING ZONES (gpm
	0	9	9	Sand, F	ine-grained, poo	orly graded wit	th caliche,	Brown	3	✓ N	1
	9	19	10	Sand,	Fine-grained, p	oorly graded w	ith caliche	, Tan	3	✓ N	
	19	34	15	Sand, Fine-	grained, poorly	graded with su	b-angular	gravel, Tan	3	{ √ N	
	34	44	10		Sand, Fine-grai	ned, poorly gra	aded, Tan	1.1.1	3	✓ N	
	44	49	5	Sand, Fine-g	rained, poorly g	raded with sub-	-angular g	ravel, Brown	1	K √N	
-	49	101	52	1	Clay, with	sand ,Dry, Br	own		1	K √N	
WEI	•								3	Y N	
5									1	Y N	
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									3	Y N	
3									3	Y N	
4. HIDROGEOLOGIC LOG OF WELL									3	(N	
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	METHOD US		/ // // <u>/</u>	OF WATER-BEAR	ING STRATA: OTHER – SPEC	TIFY				TIMATED ELD (gpm):	0.00
-	WELL TEST	TEST	RESULTS - ATT	ACH A COPY OF D	ATA COLLEC	TED DURING					
TEST, NUCSULENVISION	MISCELLAN	ALC: NOT	FORMATION: Te	ME, AND A TABLE	erials removed	and he soil t	ooring ba	ckfilled usin	g drill cutti	ngs from to surface to su	tal depth to ten urface.
1.00	DD INIT MAN	E(S) OF P	DILL DIC SUDER	VISOR(S) THAT P	POVIDED ON	TTE SUBERY	ISION OF	WELL CON	STRUCTION		HANLICENSE
	Shane Eldrid			VISOR(S) THAT P	ROVIDED ONS	SILE SUPERV	ISION OF	WELL CON	STRUCTIO	NOTHER I	HAN LICENSE
SIGNATORE	CORRECT R	ECORD C	OF THE ABOVE D	TIES THAT, TO THI DESCRIBED HOLE 0 DAYS AFTER CO	AND THAT HI	OR SHE WI	LL FILE 1				
O. SIGN	Jack Al	kins		<u> </u>	Jackie D. Atk	ins			3	/10/2022	_
	/	SIGNAT	TURE OF DRILLE	R / PRINT SIGNE	E NAME					DATE	
0	R OSE INTERN		1				-	WR-20 WE	LRECOR	& LOG OV	ersion 01/28/202
-	ENO.		1899		POD NO	PODI		TRN NO.	717	213	cision 01/28/202
100	0		SESE	8	205	225	L	TAG ID NO.		SA	PAGE 2 OF

Mike A. Hamman, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

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

Mar. 22, 2022

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

Greetings:

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

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

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

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

Sincerely,

Megen Telles (575)622-6521

drywell



APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: BH01	Date: 5/13/24
			N	C		U		Site Name: Dagger Lake South S	lot 1 ROW to Slot 2
								Incident Number: nAPP2411327	7945
								Job Number: 03A2270042	
		LITHOL	OGI	C / SOIL S	SAMPLING	G LOG		Logged By: Israel Estrella	Method: Hand Auger
Coord	inates:	32.40045	56, -10	03.597449				Hole Diameter: 3"	Total Depth: 16'
			-		vith HACH Cl cors included		Strips for o	chloride. Chloride test performed	with 1:4 dilution factor of
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
D	>3,466		Ν	BH01	0 _	0		Dry Cond No	ctaining
					-	-		Dry, Sand, No	o stalling.
м	>3,466		Ν	BH01	1	_ 1			
					-	-			
м	>3,466		N	BH01	2	2			
101	2,400		IN	DHOI		_ 2			
					_	-			
М	>3,466		Ν	BH01	3	3			
					-	-	SP-SM		
N4			NI	BH01	4	- ,		Moist, Sand, N	lo staining.
М			Ν	BHUI	4 _	_ 4			-
					_	- -			
М	>3,466		Ν	BH01	5	_ 5			
					-	-			
	2.466			51104		-			
М	>3,466		Ν	BH01	6	_ 6			
					-	-			
м	>3,466		Ν	BH01	7	7			
	,				-	-	CCHE	Caliche - White with	n some red Sand
					-	-			
М	>3,466		Ν	BH01	8	8			
					-	-			
м	>3,466		N	BH01	9	9			
171	~3,400		IN	DUOT	5	_			
					_	-			
м	3,158		Ν	BH01	10	10	SM	Red Sand - Small Grain, N	o Odor, Poorly graded
					-	-			
					_	-			
М			Ν	BH01	11	11			
						-			
м			Ν	BH01	12	12			

LITHOLOGIC / SOIL SAMPLING LOG LITHOLOGIC / SOIL SAMPLING LOG Coordinates: 32.400456, -103.597449 Coordinates: 32.400456, -103.597449 Comments: Field screening conducted with HACH Chloride Test St performed with 1:4 dilution factor of soil to distilled water. No co an time of the performed with 1:4 dilution factor of soil to distilled water. No co an time of the performed with 1:4 dilution factor of soil to distilled water. No co an time of the performed with 1:4 dilution factor of soil to distilled water. No co an time of the performed with 1:4 dilution factor of soil to distilled water. No co an time of the performed with 1:4 dilution factor of soil to distilled water. No co bench of the performed with 1:4 dilution factor of soil to distilled water. No co an time of the performed with 1:4 dilution factor of soil to distilled water. No co bench of the performed with 1:4 dilution factor of soil to distilled water. No co bench of the performed with 1:4 dilution factor of soil to distilled water. No co bench of the performed with 1:4 dilution factor of soil to distilled water. No co bench of the performed with 1:4 dilution factor of soil to distilled water. No co bench of the performed with 1:4 dilution factor of soil to distilled water. No co bench of the performed with 1:4 dilution factor of soil to distilled water. No co bench of the performed with 1:4 dilution factor of soil to	Job Number: 03A2270042 Logged By: Israel Estrella Method: Trackh Hole Diameter: 3" Total Depth: 16" ips and PID for chloride and vapor, respectively. Chloride test												
LITHOLOGIC / SOIL SAMPLING LOG Coordinates: 32.400456, -103.597449 Comments: Field screening conducted with HACH Chloride Test St performed with 1:4 dilution factor of soil to distilled water. No co	Job Number: 03A2270042 Logged By: Israel Estrella Method: Trackh Hole Diameter: 3" Total Depth: 16" ips and PID for chloride and vapor, respectively. Chloride test rection factors included.												
LITHOLOGIC / SOIL SAMPLING LOG Coordinates: 32.400456, -103.597449 Comments: Field screening conducted with HACH Chloride Test St performed with 1:4 dilution factor of soil to distilled water. No co	Job Number: 03A2270042 Logged By: Israel Estrella Method: Trackh Hole Diameter: 3" Total Depth: 16" ips and PID for chloride and vapor, respectively. Chloride test rection factors included.												
Coordinates: 32.400456, -103.597449 Comments: Field screening conducted with HACH Chloride Test St performed with 1:4 dilution factor of soil to distilled water. No co	Logged By: Israel Estrella Method: Trackh Hole Diameter: 3" Total Depth: 16" ips and PID for chloride and vapor, respectively. Chloride test rection factors included.												
Coordinates: 32.400456, -103.597449 Comments: Field screening conducted with HACH Chloride Test St performed with 1:4 dilution factor of soil to distilled water. No co	Hole Diameter: 3" Total Depth: 16 ips and PID for chloride and vapor, respectively. Chloride test rection factors included.												
Comments: Field screening conducted with HACH Chloride Test St performed with 1:4 dilution factor of soil to distilled water. No co	rection factors included.												
isture it is ture appor Depth Depth (tt has)	သိ ၂၀ ၀၀ ၇၀ ၄၀ ၄၀ ၄၀ ၄၀ ၄၀ ၄၀ ၄၀ ၄၀ ၄၀ ၄၀ ၄၀ ၄၀ ၄၀												
	nso sy												
M 1,372 N BH01 13 13													
M >3,400 N BH01 14 14	SM Red Sand - Small Grain, No Odor, Poorly g	raded											
D 3427 N BH01 15 15	SP-SM Dry, Sand, No Stain, Non Plastic, Non Ply	able.											
D 235 N BH01 16 16 Dry, Sandy Clay, No Stain, Non Plastic, Non Plyable Total Depth @ 16 ft bgs.													

Ĩ	_								Sample Name: BH02	Date: 5/13/24
				N	C		LU	R/	Site Name: Dagger Lake South Sl	ot 1 ROW to Slot 2
					2				Incident Number: nAPP2411327	945
									Job Number: 03A2270042	
		LIT	HOL	OGI	C / SOIL S	SAMPLING	g log		Logged By: Israel Estrella	Method: Hand Auger
					3.597669				Hole Diameter: 3"	Total Depth: 8'
									PID for chloride and vapor, respect factors included.	tively. Chloride test
Moisture Content	Chloride (nnm)	Vapor	(mdd)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
D				Ν	BH02	0	0			
						-	-		Dry, Sand, No	Staining.
М				N	BH02	1	_ 1			
М				N	BH02	2	2			
М				N	BH02	3	3			
М				N	BH02	4	4	SP-SM	Moist, Sand, N	lo Stainig.
М				N	BH02	5	5			
М				N	BH02	6	6			
М				N	BH02	7	- - 7 -			
М				N	BH02	8	8			
М				N	BH02	9	9	CCHE	Caliche - Tan, Some sand,	Small grain, No odor
D	<164			N	BH02	10	10			
	<u> <104</u>	· I		IN	DUUZ	10		Depth =	= 10'	
								- I - •		
					_					



						Sample Name: BH04	Date: 5/13/24
		C				Site Name: Dagger Lake South Sk	
	ΕN	2		Incident Number: nAPP2411327945			
				Job Number: 03A2270042			
LI	ITHOLOGI	C / SOIL S		Logged By: Israel Estrella	Method: Hand Auger		
Coordinates: 32	.400407, -10	3.598547		Hole Diameter: 3"	Total Depth: 7'		
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution 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 Des	scriptions
D	N	BH04	0	0		Dry, Sand, No	Statinig.
М	N	BH04	1 _	1			
м	N	BH04	2	2	SP-SM	Moist, Sand, No Staining.	
м	N	BH04	3	3			
м	Ν	BH04	4	4			
М	Ν	BH04	5	5			
Total Depth 5'							

								Sample Name: BH05	Date: 5/13/24	
	-		N	C			NЛ	Site Name: Dagger Lake South S	lot 1 ROW to Slot 2	
E N S O L U M							Incident Number: nAPP2411327945			
								Job Number: 03A2270042		
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Israel Estrella	Method: Hand Auger	
								Hole Diameter: 3"	Total Depth: 17'	
Comments: Field screening conducted with HACH Chloride Test Strips for c to distilled water. No correction factors included.							chloride. Chloride test performed v	with 1:4 dilution factor of soil		
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.		
М	>3,466		N	BH05	1	1				
м	>3,466		N	BH05	2	2				
М	>3,466		N	BH05	3 _	3				
М			N	BH05	4	4				
М	>3,466		N	BH05	5	5	SP-SM	Moist, Sand, No Staining.		
М			Ν	BH05	6	6				
М	>3,466		N	BH05	7	7				
Ν.4	>3,466		N	BH05	8.5	8				
Μ	>3,400		IN			ŀ				
Μ			N	BH05	9	9				
М	>3,400		N	BH05	10	10				
						11	SC	Sand with Red clay - Po	oly graded, No odor	
М	>3,400		Ν	BH05	12	12				

							Sample Name: BH05	Date: 5/13/24
			C		Site Name: Dagger Lake South Slot 1 ROW to Slot 2			
			3	ΟΙ	Incident Number: nAPP2411327945			
					Job Number: 03A2270042			
	LITHOL	OGI	C / SOIL S	SAMPLING	G LOG		Logged By: Israel Estrella	Method: Hand Auger
Coordinates:	32.40042	1, -10	3.599255		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 D	escriptions
M 3,400		N	BH05	14	13 			
M 1,013		Ν	BH05	15	15	SC	Sand with Red clay - P	ooly graded, No odor
M 929		Ν	BH05	16	16			
M 235		Ν	BH05	17	17			
					Total De	pth @ 1	7 ft bgs.	



APPENDIX C

Photographic Log


















APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation





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 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

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 reguarding 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

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com **Alexa Michaels** Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com



Page 42 of 396

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01-0'	5
SS02-0'	6
SS03-0'	7
SS04-0'	8
SS05-0'	9
SS06-0'	10
SS07-0'	11
SS08-0'	12
SS09-0'	13
QC Summary Data	14
QC - Volatile Organics by EPA 8021B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19

Sample Summarv

		Sample Sum	mary		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	Dagger Lake South 23003-C-0001 Ashley Giovengo	ROW	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.
5803-0'	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.



	2	ampie D				
Matador Resources, LLC.	Project Name	: Dag	ger Lake South I	ROW		
5400 LBJ Freeway, Suite 1500	Project Numb		Reported:			
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo		4/29/2024 1:23:51PM	
		SS01-0'				
		E404241-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: 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	
p-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Fotal 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	Analy	/st: 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	Analy	vst: 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	Analy	/st: DT		Batch: 2417045
Chloride	34.1	20.0	1	04/24/24	04/24/24	



~	I				
Project Name:	Dag	ger Lake South R	OW		
Project Numb	er: 2300	03-C-0001			Reported:
Project Manag	ger: Ash	ley Giovengo			4/29/2024 1:23:51PM
	SS02-0'				
	E404241-02				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	:: RKS		Batch: 2417041
ND	0.0250	1	04/24/24	04/24/24	
ND	0.0250	1	04/24/24	04/24/24	
ND	0.0250	1	04/24/24	04/24/24	
ND	0.0250	1	04/24/24	04/24/24	
ND	0.0500	1	04/24/24	04/24/24	
ND	0.0250	1	04/24/24	04/24/24	
	92.6 %	70-130	04/24/24	04/24/24	
mg/kg	mg/kg	Analys	:: RKS		Batch: 2417041
ND	20.0	1	04/24/24	04/24/24	
	87.5 %	70-130	04/24/24	04/24/24	
mg/kg	mg/kg	Analys	:: KM		Batch: 2417043
ND	25.0	1	04/24/24	04/24/24	
ND	50.0	1	04/24/24	04/24/24	
	79.9 %	50-200	04/24/24	04/24/24	
mg/kg	mg/kg	Analys	:: DT		Batch: 2417045
ND					
	Project Name: Project Numb Project Manag Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name: Dag Project Number: 2300 Project Nanager: Ashi Project Manager: Ashi SS02-0' E404241-02 E404241-02 Imit mg/kg mg/kg Mg/kg Mg/kg ND 0.0250 ND 20.0 Result 20.0 Mg/kg mg/kg Mg/kg Mg/kg ND 25.0 ND 50.0 ND 50.0	Project Name: Dagger Lake South Re Project Number: 23003-C-0001 Project Manager: Ashley Giovengo SS02-0' Ashley Giovengo E404241-02 Imager Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 20.0 1 MD 20.0 1 MD 20.0 1 MD 25.0 1 ND 25.0 1 ND 50.0 1 ND 50.200	Variation of the second of t	Project Number: 23003-C-0001 Project Manager: Ashley Giovengo SS02-0' SS02-0' SS02-0' SS02-0' E404241-02 SS02-0' Result Dilution Prepared Analyzed MD 0.0250 1 04/24/24 04/24/24 ND 20.0 1 04/24/24 04/24/24 ND 20.0 1 04/24/24 04/24/24 ND 20.0 1 04/24



Project Name	e: Dag	ger Lake South R	OW		
Project Num	ber: 230)3-C-0001		Reported: 4/29/2024 1:23:51PM	
Project Mana	nger: Ash	ley Giovengo			
	SS03-0'				
	E404241-03				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst	: RKS		Batch: 2417041
ND	0.0250	1	04/24/24	04/24/24	
ND	0.0250	1	04/24/24	04/24/24	
ND	0.0250	1	04/24/24	04/24/24	
ND	0.0250	1	04/24/24	04/24/24	
ND	0.0500	1	04/24/24	04/24/24	
ND	0.0250	1	04/24/24	04/24/24	
	92.3 %	70-130	04/24/24	04/24/24	
mg/kg	mg/kg	Analyst	: RKS		Batch: 2417041
ND	20.0	1	04/24/24	04/24/24	
	87.3 %	70-130	04/24/24	04/24/24	
mg/kg	mg/kg	Analyst: KM			Batch: 2417043
ND	25.0	1	04/24/24	04/24/24	
ND	50.0	1	04/24/24	04/24/24	
	77.2 %	50-200	04/24/24	04/24/24	
mg/kg	mg/kg	Analyst	: DT		Batch: 2417045
	Project Name Project Num Project Mana Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name: Dag Project Number: 2300 Project Nanager: Ashi Project Manager: Ashi E404241-03 E404241-03 Result Limit mg/kg mg/kg ND 0.0250 ND 20.0 87.3 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0	Project Number: 23003-C-0001 Project Manager: Ashley Giovengo SS03-0' SS03-0' E404241-03 Reporting Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 20.0 1 MD 20.0 1 MD 20.0 1 MD 25.0 1 ND 50.0 1 ND 50.0 1	Image in the second is the s	Project Name: Dagger Lake South ROW Project Number: 23003-C-0001 Project Manager: Ashley Giovengo SS03-0' SS03-0' E404241-03 Result Dilution Prepared Analyzed M2 M2 Analyzed 04/24/24 04/24/24 MD 0.0250 1 04/24/24 04/24/24 ND 20.0 1 04/24/24 04/24/24 MD 20.0 1 04/24/24 04/24/24



	5		ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb		ger Lake South F 03-C-0001	ROW		Reported:
Dallas TX, 75240	Project Mana		ley Giovengo	4/29/2024 1:23:51PM		
		SS04-0'				
		E404241-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
-Xylene	ND	0.0250	1	04/24/24	04/24/24	
o,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Fotal 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	Analy	st: 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	Analy	Analyst: KM		
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/24/24	
Dil 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	Analy	st: DT		Batch: 2417045
Chloride	47.7	20.0	1	04/24/24	04/24/24	



	~	ampie D				
Matador Resources, LLC.	Project Name	0	ger Lake South R	WC		
5400 LBJ Freeway, Suite 1500	Project Numl	ber: 230	03-C-0001			Reported:
Dallas TX, 75240	Project Mana	iger: Ash	ley Giovengo			4/29/2024 1:23:51PM
		SS05-0'				
		E404241-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	: 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	
p-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	Analys	:: 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	Analys	:: DT		Batch: 2417045
Chloride	171	20.0	1	04/24/24	04/24/24	



		ampie D				
Matador Resources, LLC.	Project Name:	0	ger Lake South R	WC		
5400 LBJ Freeway, Suite 1500	Project Number		03-C-0001			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			4/29/2024 1:23:51PM
		SS06-0'				
		E404241-06				
		Reporting				
Analyte	Result	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	
p-Xylene	ND	0.0250	1	04/24/24	04/25/24	
o,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	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	



	D		aua			
Matador Resources, LLC.	Project Name	e: Dag	ger Lake South R	OW		
5400 LBJ Freeway, Suite 1500	Project Numl	ber: 230	03-C-0001		Reported:	
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo			4/29/2024 1:23:51PM
		SS07-0'				
		E404241-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	04/24/24	04/25/24	
o,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	Analys	t: 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	Analys	t: KM		Batch: 2417043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Dil 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	Analys	t: DT		Batch: 2417045
Chloride	28.0	20.0	1	04/24/24	04/24/24	



	D		ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb	e	ger Lake South R 03-C-0001	.OW		Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo		4/29/2024 1:23:51PM	
		SS08-0'				
		E404241-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
p-Xylene	ND	0.0250	1	04/24/24	04/25/24	
o,m-Xylene	ND	0.0500	1	04/24/24	04/25/24	
Fotal 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	Analys	st: 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	Analys	Batch: 2417043		
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Dil 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	Analys	st: DT		Batch: 2417045
Chloride	ND	20.0	1	04/24/24	04/24/24	



	D		ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numl	-	ger Lake South R 03-C-0001	OW		Reported:
Dallas TX, 75240	Project Mana		ley Giovengo	4/29/2024 1:23:51PM		
		SS09-0'				
		E404241-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
Foluene	ND	0.0250	1	04/24/24	04/25/24	
p-Xylene	ND	0.0250	1	04/24/24	04/25/24	
o,m-Xylene	ND	0.0500	1	04/24/24	04/25/24	
Fotal 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	Analys	st: 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	Analys	Batch: 2417043		
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Dil 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	Analys	st: DT		Batch: 2417045
Chloride	ND	20.0	1	04/24/24	04/24/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	Dagger Lake So 3003-C-0001 Ishley Gioveng					Reported: 4/29/2024 1:23:51PM
	rganics l	by EPA 802	21B				Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2417041-BLK1)							Prepared: 0	4/24/24 A	nalyzed: 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: 0	4/24/24 A	nalyzed: 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			
p-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: 0	4/24/24 A	nalyzed: 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: 0	4/24/24 A	nalyzed: 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	
p-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

		$\mathbf{t} = \mathbf{v}$		ary Dun	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-C-0001	uth ROW				Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	0				4/29/2024 1:23:51PM
	No	nhalogenated C	Organics	s by EPA 801	1 5D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2417041-BLK1)							Prepared: 0	4/24/24 A	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: 0	4/24/24 A	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: 0	4/24/24 A	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: 0	4/24/24 A	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

		QC BI	u I I I I I I	ary Data	l				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Dagger Lake So 23003-C-0001 Ashley Gioveng					Reported: 4/29/2024 1:23:51PM
	Nonh	alogenated Orga	anics by	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	N
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2417043-BLK1)							Prepared: 0	4/24/24 A	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: 0	4/24/24 A	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: 0	4/24/24 A	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: 1	E404240-	03	Prepared: 0	4/24/24 A	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

		•		v					
Matador Resources, LLC.		Project Name:	I	Dagger Lake Sc	outh ROW				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	23003-C-0001			•		
Dallas TX, 75240		Project Manager:	1	Ashley Gioveng	go				4/29/2024 1:23:51PM
		Anions	by EPA	300.0/9056 A	A Contraction of the second se				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2417045-BLK1)							Prepared: 0	4/24/24	Analyzed: 04/24/24
Chloride	ND	20.0							
LCS (2417045-BS1)							Prepared: 0	4/24/24	Analyzed: 04/24/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2417045-MS1)				Source:	E404241-0	3	Prepared: 0	4/24/24	Analyzed: 04/24/24
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2417045-MSD1)				Source:	E404241-0	3	Prepared: 0	4/24/24	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.



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 Ana	te NOT DETECTED at or above the reporting limit
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- 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.





Reproject Information

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

silent.	Matador Pro	duction C	Company				Bill To				La	ab Us	se Or	nly					TA	T		EPA P	rogram
Project:							: Ensolum LLC		Lab	WO#	A.1	13	Job	Num	ber 3-C-	m	1D	2D	3D	Stan	dard	CWA	SDWA
	Manager: As					Address:			EY	04	24				_		121			>	(6.5
	: 3122 Natio					City, State							Analy	/sis a	nd Me	thoc	1	_					RCRA
	te, Zip: Carls		88220			V.	75-988-0055			λq (177				AL-	že-		- <u> </u>
	575-988-005					Email: ag	iovengo@ensolum.com			ORC												State	
	giovengo@e	ensolum.c	com		_				1 1	RO/	21	0		300.0			MN		X	N	M CO	UT AZ	TX
Report	lue by:				1					d/0	y 80.	826	601	e 30	H		2.201			>	<		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II	C			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride	TCEQ TPH		BGDOC		GDOC			Remarks	
10:58	4/22/2024	S	1			SS01	- 0'	1									х						
11:09	4/22/2024	S	1		SS02 - 0'			2									х						
11:13	4/22/2024	S	1	SS03 - 0'			3									х							
11:18	4/22/2024	S	1		SS04 - 0'			4									х						
11:22	4/22/2024	S	1		SS05 - 0'			5									х						
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'			в									x							
11:37	4/22/2024	S	1			SS09	- 0'	9									х						
Addition	al Instructio	ons: Plea	ase CC: c	burton@e	ensolum.	com, agiov	engo@ensolum.com, ch	amilton@e	nsolu	im.co	om, i	iestr	ella@	Dens	olum	.con	1		_				
	pler), attest to th of collection is c						ering with or intentionally mislabe Sampled by: Chad Hamilton	elling the samp	le locati	ion,			1.									ney are samp quent days.	led or
	ed by: (Signatur	1990 - 997 1971 - 20	Date	-	Time	Receiv	ed by: (Signature)	Date 4-23.		Time 1D	15		Rece	eived	on ic	φ.		b Us	e Onl	ly			
Relinquish	ed by: (Signatur helle Go ed by: (Signatur	re)	Date		Time 161	Receiv	ed by: (Signature)	Date 4.22		Time 180			T1		01110		T2			Т3			
Relinquish	ed by: (Signatur	re Qo	Date U.		1240	O Receiv	ed by: (Signature)	Date 4-24-		Time			AVG	Tem	p °C								
ample Ma	rix: S - Soil, Sd - S	Solid, Sg - Slu				- 11.00	1 Clim	Containe							-		er gla	SS, V	- VOA				-
				and the state of the state		other arrang	ements are made. Hazardous														or the ar	alysis of t	he above
	applicable only	to those sa	amples rec	eived by the	aborator	y with this CO	C. The liability of the laborato	ry is limited to	o the a	moun	t pain	d for o	on the	repo	rt.		A		- me	sepore	er ene al		e (

Envirotech Analytical Laboratory

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

Page 60 of 396

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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Client:	Matador Resources, LLC.	Date Received:	04/24/24 05:00	Work Order ID:	E404241
Phone:	(972) 371-5200	Date Logged In:	04/23/24 16:14	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	04/30/24 17:00 (4 day TAT)		

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	Carrier: <u>Courier</u>
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	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 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: <u>4°C</u> 	Yes	
· · · · · ·	<u>×</u>	
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? Date/Time Collected?	Yes Yes	
Collectors name?	Yes	
Sample Preservation	Na	
21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration 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.





5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dagger Lake South Slot 1 ROW to Slot 2
Work Order:	E405200
Job Number:	23003-0002
Received:	5/15/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 5/22/24

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: 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 reguarding 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

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com





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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
BH01-0'	6
BH01-2'	7
BH01-4'	8
BH01-6.5'	9
BH02-0'	10
BH02-2'	11
BH02-4'	12
BH02-6.5'	13
BH03-0'	14
BH03-1'	15
BH04-0'	16
BH04-3'	17
BH04-5'	18
BH05-0'	19
BH05-2'	20
BH05-4'	21
BH05-6'	22
BH05-8.5'	23
QC Summary Data	24
QC - Volatile Organic Compounds by EPA 8260B	24

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Table of Contents (continued)

	QC - Nonhalogenated Organics by EPA 8015D - GRO	25
	QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	26
	QC - Anions by EPA 300.0/9056A	27
D	efinitions and Notes	28
CI	hain of Custody etc.	29

Sample	Summary
Sampic	Summary

Sample Summary								
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Dagger Lake South 23003-0002 Ashley Giovengo	Slot 2 Reported: 05/22/24 13:13					
Lab Sample ID	Matrix	Sampled	Received	Container				
E405200-01A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-02A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-03A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-04A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-05A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-06A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-07A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-08A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-09A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-10A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-11A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-12A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-13A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-14A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-15A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-16A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-17A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
E405200-18A	Soil	05/13/24	05/15/24	Glass Jar, 2 oz.				
	E405200-01A E405200-02A E405200-03A E405200-04A E405200-05A E405200-06A E405200-07A E405200-09A E405200-09A E405200-10A E405200-11A E405200-13A E405200-15A E405200-16A E405200-17A	Project Name: Project Number: Project Number: Project Manager: Lab Sample ID Matrix E405200-01A Soil E405200-02A Soil E405200-03A Soil E405200-04A Soil E405200-05A Soil E405200-06A Soil E405200-07A Soil E405200-10A Soil E405200-10A Soil E405200-11A Soil E405200-12A Soil E405200-13A Soil E405200-14A Soil E405200-15A Soil E405200-15A Soil E405200-16A Soil	Project Name: Dagger Lake South Project Number: 23003-0002 Project Manager: Ashley Giovengo Lab Sample ID Matrix Sampled E405200-01A Soil 05/13/24 E405200-02A Soil 05/13/24 E405200-03A Soil 05/13/24 E405200-04A Soil 05/13/24 E405200-05A Soil 05/13/24 E405200-06A Soil 05/13/24 E405200-06A Soil 05/13/24 E405200-07A Soil 05/13/24 E405200-06A Soil 05/13/24 E405200-07A Soil 05/13/24 E405200-08A Soil 05/13/24 E405200-09A Soil 05/13/24 E405200-10A Soil 05/13/24 E405200-11A Soil 05/13/24 E405200-12A Soil 05/13/24 E405200-13A Soil 05/13/24 E405200-14A Soil 05/13/24 E405200-15A Soil	Project Name: Project Number: Project Manager: Dagger Lake South Slot 1 ROW to 23003-0002 Lab Sample ID Matrix Sampled Received E405200-01A Soil 05/13/24 05/15/24 E405200-02A Soil 05/13/24 05/15/24 E405200-03A Soil 05/13/24 05/15/24 E405200-04A Soil 05/13/24 05/15/24 E405200-05A Soil 05/13/24 05/15/24 E405200-06A Soil 05/13/24 05/15/24 E405200-07A Soil 05/13/24 05/15/24 E405200-07A Soil 05/13/24 05/15/24 E405200-07A Soil 05/13/24 05/15/24 E405200-07A Soil 05/13/24 05/15/24 E405200-08A Soil 05/13/24 05/15/24 E405200-10A Soil 05/13/24 05/15/24 E405200-10A Soil 05/13/24 05/15/24 E405200-11A Soil 05/13/24 05/15/24 E405200-12A Soil				



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Matador Resources, LLC.	Project Name	Project Name: Dagger Lake South Slot 1 ROW to Slot 2						
5400 LBJ Freeway, Suite 1500	Project Numb	er: 2300	03-0002		Reported:			
Dallas TX, 75240	Project Manag	5/22/2024 1:13:07PM						
		BH01-0'						
		E405200-01						
		Reporting						
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	alyst: 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			
p-Xylene	ND	0.0250	1	05/16/24	05/20/24			
o,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/ORG) mg/kg	mg/kg	/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	Ar	alyst: IY		Batch: 2420196		
Chloride	4040	40.0	2	05/18/24	05/19/24			





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Matador Resources, LLC.	Project Nam						
5400 LBJ Freeway, Suite 1500	Project Num		Reported:				
Dallas TX, 75240	Project Mana	5/22/2024 1:13:07PM					
		BH01-2'					
		E405200-02					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	-	Analyst: R	RKS		Batch: 2420150
Benzene	ND	0.0250	1	l	05/16/24	05/20/24	
Ethylbenzene	ND	0.0250	1	l	05/16/24	05/20/24	
Toluene	ND	0.0250	1	l	05/16/24	05/20/24	
p-Xylene	ND	0.0250	1	l	05/16/24	05/20/24	
p,m-Xylene	ND	0.0500	1	l	05/16/24	05/20/24	
Total Xylenes	ND	0.0250	1	l	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	l	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	l	05/17/24	05/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	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: Г	Y		Batch: 2420196
Chloride	9730	200	1	0	05/18/24	05/19/24	



Matador Resources, LLC.	Project Name:	Dag				
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300	03-0002	Reported:		
Dallas TX, 75240	Project Manag	ger: Ash	ey Gioveng	0		5/22/2024 1:13:07PM
		BH01-4'				
		E405200-03				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	A	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	A	Analyst: IY		Batch: 2420196
Chloride	8000	200	10	05/18/24	05/19/24	



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Matador Resources, LLC.	Project Nam	ie: Dag	ger Lake South Sl	ot 2		
5400 LBJ Freeway, Suite 1500	Project Nurr	ber: 230	03-0002			Reported:
Dallas TX, 75240	Project Man	ager: Ash	ley Giovengo			5/22/2024 1:13:07PM
		BH01-6.5'				
		E405200-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst	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	
p-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
	ND	20.0	1	05/16/24	05/20/24	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analys	t: 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		Analys	t: 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		Analys	t: IY		Batch: 2420196
Chloride	5610	40.0		2	05/18/24	05/19/24	

		ampic D						
Matador Resources, LLC.								
5400 LBJ Freeway, Suite 1500	Project Numb		23003-0002					
Dallas TX, 75240	Project Manag	5/22/2024 1:13:07PM						
		BH02-0'						
		E405200-05						
		Reporting						
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: 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			
p-Xylene	ND	0.0250	1	05/16/24	05/20/24			
o,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			
Dil 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	Aı	nalyst: IY		Batch: 2420196		
Chloride	4260	40.0	2	05/18/24	05/19/24			



	~	impic D					
Matador Resources, LLC.	Project Name:	Dag	ger Lake S	South Slo	ot 1 ROW to Slo	t 2	
5400 LBJ Freeway, Suite 1500	Project Numbe		Reported:				
Dallas TX, 75240	Project Manag	5/22/2024 1:13:07PM					
		BH02-2'					
		E405200-06					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	05/16/24	05/20/24	
o,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	
Dil 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	



		ampic D					
Matador Resources, LLC.	Project Name:						
5400 LBJ Freeway, Suite 1500	Project Number: 23003-0002 Project Manager: Ashley Giovengo						Reported:
Dallas TX, 75240	Project Manag	5/22/2024 1:13:07PM					
		BH02-4'					
		E405200-07					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-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	


		imple D					
Matador Resources, LLC.	Project Name:	Dag	ger Lake S	t 2			
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300	03-0002				Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Gioven	5/22/2024 1:13:07PM			
		BH02-6.5'					
		E405200-08					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-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	
Dil 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	



		ample D				
Matador Resources, LLC.	Project Name:		ger Lake Sou	t 2		
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002	Reported:		
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			5/22/2024 1:13:07PM
		BH03-0'				
		E405200-09				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
p-Xylene	ND	0.0250	1	05/16/24	05/20/24	
o,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	A	nalyst: 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	A	nalyst: KM		Batch: 2420175
Diesel Range Organics (C10-C28)	ND	25.0	1	05/17/24	05/20/24	
Dil 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	A	nalyst: IY		Batch: 2420196
Chloride	2420	40.0	2	05/18/24	05/19/24	



		L				
Matador Resources, LLC.	Project Nam	e: Dag	ger Lake Sou	th Slot 1 ROW to Sl	ot 2	
5400 LBJ Freeway, Suite 1500	Project Num	ber: 2300	03-0002			Reported:
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo		5/22/2024 1:13:07PM	
		BH03-1'				
		E405200-10				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: 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	А	nalyst: 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	А	nalyst: IY		Batch: 2420196
Chloride	27.7	20.0	1	05/18/24	05/19/24	



		L				
Matador Resources, LLC.	Project Name	e: Dag	ger Lake Sou	th Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Num	ber: 2300)3-0002			Reported:
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo		5/22/2024 1:13:07PM	
		BH04-0'				
		E405200-11				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: 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	А	nalyst: 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	А	nalyst: IY		Batch: 2420196
Chloride	2040	20.0	1	05/18/24	05/19/24	



		ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Nam Project Num	-	ger Lake S)3-0002	outh Slo	ot 1 ROW to Slo	t 2	Reported:
Dallas TX, 75240	Project Mana		ley Gioven	go			5/22/2024 1:13:07PM
		BH04-3'					
		E405200-12 Reporting					
Analyte	Result	Limit		ution	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	
p-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	



Sampic Data											
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	ger Lake South 03-0002 ley Giovengo	Slot 1 ROW to Slo	ot 2	Reported: 5/22/2024 1:13:07PM					
	BH04-5'										
		E405200-13									
	D k	Reporting		D I		N /					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes					
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: IY		Batch: 2420196					
Chloride	448	20.0	1	05/18/24	05/19/24						



	5	ampic D				
Matador Resources, LLC.	Project Name:	: Dag	ger Lake Sout	th Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			5/22/2024 1:13:07PM
		BH05-0'				
		E405200-14				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: 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	Ar	nalyst: 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	Ar	nalyst: 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	Ar	nalyst: IY		Batch: 2420196
Chloride	8130	200	10	05/18/24	05/19/24	

		ample D								
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 5/22/2024 1:13:07PM			
BH05-2'										
		E405200-15								
		Reporting			D					
Analyte	Result	Limit	Di	lution	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				
p-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				



	Sumple Dutu										
Matador Resources, LLC.	Project Nam	e: Dag	ger Lake Sout	h Slot 1 ROW to Slo	ot 2						
5400 LBJ Freeway, Suite 1500	Project Num	ber: 2300	03-0002			Reported:					
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo		5/22/2024 1:13:07PM						
		BH05-4'									
		E405200-16									
		Reporting									
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes					
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	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	An	alyst: 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	An	alyst: 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	An	alyst: IY		Batch: 2420196					
Chloride	8060	200	10	05/18/24	05/19/24						



		ampie 2				
Matador Resources, LLC.	Project Name	: Dag	ger Lake Sout	h Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 2300	03-0002			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ey Giovengo	5/22/2024 1:13:07PM		
		BH05-6'				
		E405200-17				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: 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	An	alyst: IY		Batch: 2420196
Chloride	5210	40.0	2	05/18/24	05/19/24	



		ampic D					
Matador Resources, LLC.	Project Name		0	outh Slo	ot 1 ROW to Slo	t 2	
5400 LBJ Freeway, Suite 1500	Project Num		03-0002		Reported:		
Dallas TX, 75240	Project Mana	ager: Ash	ley Gioven	5/22/2024 1:13:07PM			
		BH05-8.5'					
		E405200-18					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	05/16/24	05/20/24	
o,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	
urrogate: Toluene-d8		104 %	70-130		05/16/24	05/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	КМ		Batch: 2420175
Diesel Range Organics (C10-C28)	32.5	25.0		1	05/17/24	05/21/24	
Dil 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:		agger Lake So	uth Slot 1	ROW to Slo	ot 2		Reported:	
5400 LBJ Freeway, Suite 1500		Project Number: Project Manager:	23	3003-0002						
Dallas TX, 75240		А	shley Gioveng	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		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2420150-BLK1)						F	Prepared: 0	5/16/24 Ar	alyzed: 05/20/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
p-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)						F	Prepared: 0	5/16/24 Ar	alyzed: 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				
p-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)						F	Prepared: 0	5/16/24 Ar	alyzed: 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		
p-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

		$\mathbf{x} \mathbf{v} \mathbf{v}$							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2	Dagger Lake Sc 23003-0002 Ashley Gioveng		Reported: 5/22/2024 1:13:07PM			
	Noi	nhalogenated (Organics	s by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2420150-BLK1)							Prepared: 0	5/16/24 A	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: 0	5/16/24 A	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: 0	5/16/24 A	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

		QU N	umm	ary Duc	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 3003-0002	outh Slot 1	ROW to S	Slot 2		Reported:
Dallas TX, 75240		Project Manager	: A	Ashley Gioveng	go				5/22/2024 1:13:07PM
	Nonh	alogenated Org	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2420175-BLK1)							Prepared: 0	5/17/24 A	nalyzed: 05/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.4		50.0		111	50-200			
LCS (2420175-BS1)							Prepared: 0	5/17/24 A	nalyzed: 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: 0	5/17/24 A	nalyzed: 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. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002		ROW to S	Slot 2		Reported: 5/22/2024 1:13:07PM
Dallas TX, 75240		Project Manager:		Ashley Gioveng					5/22/2024 1:15:0/PM
		Anions	by EPA	A 300.0/9056 A	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2420196-BLK1)							Prepared: 05	5/18/24	Analyzed: 05/19/24
Chloride	ND	20.0							
LCS (2420196-BS1)							Prepared: 05	5/18/24	Analyzed: 05/19/24
Chloride	254	20.0	250		102	90-110			
LCS Dup (2420196-BSD1)							Prepared: 05	5/18/24	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.



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.

Project Information

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<u>Client: Matado</u>	or Prod	uction Co	ompany		Bill To				Lab	Ūse	e Onl	y				T	AT		EPA PI	ogram
Project: Dage	ger Lake	e South S	lot 1 ROV	V to Slot 2	Attention: Ensolum LLC Lab \ Address: on file F4						lumb			2D	3D	St	andard	CWA	SDWA	
Project Manag					Address: on file		<u> E4</u>	05	20									X		
Address: 3122					City, State, Zip:		L_			A	nalys	sis and	d Meth	nod				[_		RCRA
<u>City, State, Zip</u>			88220		Phone: 575-988-0055		-	<u>ک</u>				1								
Phone: 575-98					Email: agiovengo@ensolum.com	1		S											State	
Email: agiover		<u>nsolum.c</u>	om					Š	ដ	8	9	ŝ		N N		Ϊř		NM CO	UT AZ	
Report due by:	<u>''</u> T			<u> </u>			4	ŊŐ	8 8	×87		це Э	Ŧ					XI_		
Time Sampled Date S	Sampled	Matrix	No. of Containers	Sample ID	<u></u> '	Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC		GDOC			Remarks	
1113 5/19	3/24	501	1		BH01-01	l								\rangle	Ś					
1225	1	1	1		BH01-21	2								X						
1315					3401-41	3								X	<u> </u>					
140le					BH01-6-5'	4				T				X						
1117.					BH02-0'	5				1				γ 	· -					
1230					BH02 - 21	6							╡	Ň	Ì					
1321					BH02-41	7							1	- x						
1411					BH02-41 BH02-6.51	8				1				Ň	Ì					
1122					BH03-01	9								X						
1126	$V \mid$	1/			BH03-1'	10						1		/>	Ì					
	struction	ns: Plea	ase CC: ct) purton@ensolu	m.com, agiovengo@ensolum.com, c		ensolu	im.co	m, ies	stre	lla@	enso	lum.c	om		<u> </u>	I		. <u> </u>	
				y of this sample. I an y be grounds for lega	n aware that tampering with or intentionally misla I action.	belling the sampl	e locatio	on,			•		-					l on ice the day an 6 °C on subs		led or
Relinquished by: (Date	, Time,	Received by Signature	Date 5-14	Jor.	Time -	214	2				-	~	lse Oi	nly			
Relinguished by: ((Signatur	re)	10.4			Date	• +	Time			Rece	ived	on ice		Ŷ	N				
Relinquished by:	_	e)	Date	1421 Time	Received by: (Sigpature)	5.14. Date		16 Time	515	4	<u>T1</u>			<u></u>				<u>T3</u>		
(Å.c	М.		ج .	14.24 24		ЫD	24	9	∞	_		Tem		4						
Sample Matrix: S - S						Containe														
					less other arrangements are made. Hazardo tory with this COC. The liability of the labora									client	expen	se. Ir	ie rep	ort for the	analysis of 1	ne above

roject In	formation				Chai	n of Custo	ody												Pa	age <u>2</u> of
roject:	latador Prod Dagger Lake lanager: Ast	e South S	Slot 1 RC	W to Slot 2	Bill To Attention: Ensolum LLC Address: on file		Lab \	NO#	Lab	J	Only ob Nu	mber	3	1D	2D	T/ 3D		andard X	EPA PI CWA	ogram SDWA
ddress: ity, Stat hone: 5	3122 Natior e, Zip: Carlsl 75-988-0055 giovengo@er	nal Parks bad NM, 5	Hwy 88220		City, State, Zip: Phone: 575-988-0055 Email: agiovengo@ensolum.com)/ORO by		Ar	nalysis	and N	<u>Aethoo</u>	WN		¥			State UT AZ	ogram SDWA RCRA
Time ampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GR 8015	BTEX by 8021	VUC BY 8260	Metals 6010	TCEQ TPH		BGDOC		6DOC			Remarks	
128	5/13/24	50i1		BI	+04-01 H04-31 H04-51	11								X						
2AU		\rightarrow		Ŗ	H04 - 3'	12				_				X						
,24-		\square		P	H04-51	13			\downarrow					X						
33				E	shos-0'	14				_				Ķ						
<u>A</u> 3.					stf05-21	15						_	_	X						
333					BH05-91	10			_	_				X						
417				1	3H05-61	7				+		_		ĮΧ						
515		\downarrow		1	3H05-8:51	18				╉				ĮΧ						
									_	+				-						
dition		ns: Ple	ase CC: (com, agiovengo@ensolum.com, cha	 milton@e	ensolu	um.co	om, ies	strel	ila@ei	nsolu	m.con	 n			<u> </u>			
or time	of collection is c	onsidered f	raud and m	ay be grounds for legal ac	ware that tampering with or intentionally mislabelli tion. <u>Sampled by:</u>				<u> </u>					avg ten	np abov	ve O but	less tha	on ice the day in 6 °C on sub:	they are sam; equent days.	oled or
\sim	ed by: (Signatur ed/Dy: (Signatur	<i>t</i> .	Dat Dat	14/24 8:-3	Received by: (Signature) Received by: (Signature)	Date 5-14, Date	¥	Time	215	5 F	Receiv	ed or	n ice:		ab Us		nly			
inq pis h	ed by: (Signatur	re)	() Dat	-14-24 Time 5-14-24 Time	Received by: (Signature)	5-14 Date 555	124	Time	<u>515</u> 100		T <u>1</u> AVG T	emp '	_ر_ر د	$\frac{12}{1}$				<u>T3</u>		
te: Sam	ples are discard	led 30 day	s after res	ueous, O - Other ults are reported unles	s other arrangements are made. Hazardous ry with this COC. The liability of the laborator	Containe samples wil	l be ret	turned	to clie	nt or	dispos	ed of a						ort for the	analysis of	the above
11/1/23 15					y want this cool. The liability of the liabolator	, is mined t	<u></u>			(C	3		e	r] \	V	ire	ot	ec

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. D	ate Received:	05/15/24	09:00	Work Order ID:	E405200
Phone:	(972) 371-5200 D	ate Logged In:	05/14/24	18:36	Logged In By:	Alexa Michaels
Email:		ue Date:	05/21/24	17:00 (4 day TAT)		
<u>Chain o</u>	f 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	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes			
<u>Sample</u>	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ter	nperature: <u>4°</u>	<u>C</u>			
Sample	Container					
14. Are a	aqueous VOC samples present?		No			
15. Are '	VOC samples collected in VOA Vials?		NA			
16. Is the	e 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 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	e appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La	abel					
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
	Preservation		No			
	s the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved meta	als?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	es, does the COC specify which phase(s) is to be analyze		NA			
	tract Laboratory		11/1			
	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		
_>. mus	a carrent and the orthony specified by the cheft and it so		. 1/ 1	Subcontact Lab. 11A		

Date

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





5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dagger Lake South Slot 1 ROW to Slot 2
Work Order:	E407008
Job Number:	23003-0002
Received:	7/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/8/24

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: 7/8/24

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



Page 93 of 396

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 reguarding 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH01@8'	5
BH01@10'	6
BH01@14'	7
BH02@10'	8
BH05@10'	9
BH05@14'	10
QC Summary Data	11
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

Sample	Summary
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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		07/08/24 11:50
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01@8'	E407008-01A	Soil	06/28/24	07/02/24	Glass Jar, 2 oz.
BH01@10'	E407008-02A	Soil	06/28/24	07/02/24	Glass Jar, 2 oz.
3H01@14'	E407008-03A	Soil	06/28/24	07/02/24	Glass Jar, 2 oz.
3H02@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.



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Matador Resources, LLC.	ot 2					
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	03-0002	Reported: 7/8/2024 11:50:30AN		
Dallas TX, 75240	Project Man	ager: Ash	ley Giovengo			
		BH01@8'				
		E407008-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	Analys	t: 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	Analys	t: 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	Analys	t: JM		Batch: 2427027
Chloride	4380	40.0	2	07/02/24	07/02/24	



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Matador Resources, LLC.	Project Name:	U	e	Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002			Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Giovengo			7/8/2024 11:50:30AM
	-	BH01@10'				
		E407008-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	07/02/24	07/02/24	
p,m-Xylene	ND	0.0500	1	07/02/24	07/02/24	
Total Xylenes	ND	0.0250	1	07/02/24	07/02/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	07/02/24	07/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: 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	Analy	st: KH		Batch: 2427026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/24	07/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/24	07/02/24	
Surrogate: n-Nonane		86.0 %	50-200	07/02/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2427027
Chloride	4160	40.0	2	07/02/24	07/02/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 2300	ger Lake South)3-0002 ley Giovengo	n Slot 1 ROW to Slo	t 2	Reported: 7/8/2024 11:50:30AM
		BH01@14'				
		E407008-03				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
p-Xylene	ND	0.0250	1	07/02/24	07/02/24	
p,m-Xylene	ND	0.0500	1	07/02/24	07/02/24	
Fotal 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	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: JM		Batch: 2427027
Chloride	3880	40.0	2	07/02/24	07/02/24	

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Matador Resources, LLC.	Project Name	e: Dag	ger Lake South S	lot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	03-0002			Reported:
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo			7/8/2024 11:50:30AM
		BH02@10'				
		E407008-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
p-Xylene	ND	0.0250	1	07/02/24	07/03/24	
o,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		91.7 %	70-130	07/02/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2427024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/02/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	07/02/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KH		Batch: 2427026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/24	07/02/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/02/24	07/02/24	
Surrogate: n-Nonane		87.0 %	50-200	07/02/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2427027
Chloride	ND	20.0	1	07/02/24	07/02/24	

Matador Resources, LLC.	Project Name	: Dag	ger Lake South S	lot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 230	03-0002			Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			7/8/2024 11:50:30AM
		BH05@10'				
		E407008-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	07/02/24	07/03/24	
o,m-Xylene	ND	0.0500	1	07/02/24	07/03/24	
Fotal 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	Analy	st: 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	Analy	st: KH		Batch: 2427026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/24	07/02/24	
Dil Range Organics (C28-C36)	ND	50.0	1	07/02/24	07/02/24	
Gurrogate: n-Nonane		94.9 %	50-200	07/02/24	07/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2427027
Chloride	4930	40.0	2	07/02/24	07/02/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	ger Lake South S 03-0002 ley Giovengo	lot 1 ROW to Slo	ot 2	Reported: 7/8/2024 11:50:30AM
		BH05@14'				
		E407008-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	07/02/24	07/03/24	
o,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	Analys	t: 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	Analys	t: KH		Batch: 2427026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/24	07/02/24	
Dil 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	Analys	t: JM		Batch: 2427027
Chloride	4810	40.0	2	07/02/24	07/02/24	
monue						



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	agger Lake So 8003-0002 shley Gioveng		ROW to S	Slot 2		Reported: 7/8/2024 11:50:30AM	
		Volatile O	rganics b	oy EPA 802	21B				Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2427024-BLK1)							Prepared: 0	7/02/24	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: 0	7/02/24	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: 0	7/02/24	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: 0	7/02/24	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		
p-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		



QC Summary Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002	uth Slot 1	ROW to S	Slot 2		Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	0				7/8/2024 11:50:30AM
	Noi	nhalogenated (Organic	s by EPA 801	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427024-BLK1)							Prepared: 0	7/02/24 A	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: 0	7/02/24 A	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: 0	7/02/24 A	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: 0	7/02/24 A	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

		QU N	M 11111	iary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002	outh Slot 1	ROW to S	Slot 2		Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	<u>5</u> 0				7/8/2024 11:50:30AM
	Nonh	alogenated Org	anics b	y EPA 8015E) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427026-BLK1)							Prepared: 0	7/02/24 A	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: 0	7/02/24 A	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: 0	7/02/24 A	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: 0	7/02/24 A	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

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Matador Resources, LLC.		Project Name:		Dagger Lake Sc	outh Slot 1	ROW to S	Slot 2		Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		23003-0002					
Dallas TX, 75240		Project Manager:		Ashley Gioveng	go				7/8/2024 11:50:30AM
		Anions	by EPA	300.0/9056A	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427027-BLK1)							Prepared: 0	7/02/24 A	analyzed: 07/02/24
Chloride	ND	20.0							
LCS (2427027-BS1)							Prepared: 0	7/02/24 A	analyzed: 07/02/24
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2427027-MS1)				Source:	E407008-	03	Prepared: 0	7/02/24 A	analyzed: 07/02/24
Chloride	4140	40.0	250	3880	106	80-120			
Matrix Spike Dup (2427027-MSD1)				Source:	E407008-0	03	Prepared: 0	7/02/24 A	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.



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

					Chain	of Cu	sto	ły											Page
	Clier	nt Inform	ation		Invoice Informatio	n	-			La	b Us	e On	lv		1		TAT		State
lient: N	Aatador Prod				Company: Ensolum LLC			_ Lab \	WO#	}		Job N	Juml	ber		1D	2D 3D S	td	
	Dagger Lake			to slot 2	Address: 3122 National Parks	Hwy		E 4							2		X		x
roject N	Aanager: Asl	hley Giov	engo		City, State, Zip: Carlsbad NM,	88220		_											
ddress:	3122 Nation	nal Parks	Hwy		Phone: 575-988-0055	_		_ [Anal	lysis	and I	Meti	hod			EPA Program
<u>ity, Stat</u>	e, Zip: Carls	bad NM,	88220		Email: _agiovengo@ensolum.	com												1	SDWA CWA RCRA
	575-988-005				Miscellaneous:													L	
mail: a	giovengo@ei	<u>nsolum.c</u>	<u>om</u>					_	8015	8015									ompliance Y or N
						<u>.</u>			by 8(by 8(21	8	8 8	Σ	Ĕ	stals		P	WSID #
		1		Sample Ir	formation		-	Lab	SRO	S S	6A 8C	y 82	de 3	z ن	ŝ	8 X			Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	Eilter Z	Lab umber	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			
10:59	6/28/2024	S	1		BH01 @ 8'			1						x					
11:56	6/28/2024	S.	1		BH01 @ 10'			ລ						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'			Ø						x					
						1													
dditior	al Instructio	ns: Ple	ase CC: cb	ourton@ensol	um.com, agiovengo@ensolum.com,	, iestre	lla@e	ensolum	n.cor	n, bc	ieal@	Pens	olun	n.com	n, ch	amili	ton@enso	lum.o	com
	pier), attest to the :Brandon Deal	•	dauthenticity	of this sample. 1 a	m aware that tampering with or intentionally misla	beling the	e samp	e location,	, date	or tim	e of co	llection	n is cor	nsidere	d frau	d and i	may be ground	s for le	gal action.
linguish	ed by: (Signatur		 Date 	101/2024 Time	of an Michael by: (fignature)	les °	ate 7-1-	.24	Time	760	•				d or re	ceived	•		be received on ice the day they are emp above 0 but less than 6 °C on
	telle G	onzal		Time	550 Received/by: (Signature)	D	ate 7.	1.1.4	Time	7				Rece			\sim		Only
$ \rightarrow $	ed by: (Signatur		Ro Date	1.1.4 2	3/5 Received by: (Slenature) alexa Michaelo		12	/24	Time	200	<u> </u>			T1			T2		T3
elinquish	ed by: (Signatur	re)	Date	Time	Received by: (Signature)		ate		Time			1		AVG	Ten	np °C	4		
	trix: S - Soil, Sd - S									-				c, ag -	amt	Der gl	ass, v - VOA		
					nless other arrangements are made. Hazardo ratory with this COC. The liability of the labo										e clier	nt exp	ense. The rep	ort fo	r the analysis of the above
							-												
						1					C	ょ							irote
											-	2				-	<u> </u>	V	\mathbf{IOIE}

Envirotech Analytical Laboratory

			J	ical Laboratory		FIIIIteu: //2/2024 10:20:44AM
structions:	Please take note of any NO checkmarks.	Sample	Receipt C	Checklist (SRC)		
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 E	Date Logged In:	07/01/24	16:28	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com I	Due Date:	07/10/24	17:00 (4 day TAT)		
<u>Chain of</u>	Custody (COC)					
1. Does th	he sample ID match the COC?		Yes			
	he number of samples per sampling site location match	the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes	cumun <u>countri</u>		
	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	ne field,	Yes		<u>Commen</u>	ts/Resolution
Sample 7	Furn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (, I					
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	were custody/security seals intact?		No			
•	· • •	(a) a ag	NA			
	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are r minutes of sampling	eceived w/i 15	Yes			
13. If no	visible ice, record the temperature. Actual sample te	mperature: <u>4</u> °	<u>'C</u>			
	<u>Container</u>					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample container	rs collected?	Yes			
Field La						
	field sample labels filled out with the minimum inform	nation:	37			
	ample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes Yes			
	Preservation		105			
	the COC or field labels indicate the samples were pres	erved?	No			
	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved met	als?	No			
Multipha	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase	?	No			
	s, does the COC specify which phase(s) is to be analyze		NA			
			1177			
	ract Laboratory	.	ΝТ-			
	amples required to get sent to a subcontract laboratory		No	0.1 4 47.1 374		
∠9. was a	a subcontract laboratory specified by the client and if s	u wno?	NA	Subcontract Lab: NA		

Client Instruction

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


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 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

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



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 reguarding 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com





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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS01-4'	5
FS02-4'	6
FS03-4'	7
FS04-4'	8
FS05-4'	9
FS06-4'	10
FS07-4'	11
FS08-4'	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample	e Sumn	narv
Sampr	c Summ	LICCI y

		Sample Sum	mai y		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	Dagger Lake South 23003-0002 Ashley Giovengo	Slot 1 ROW to	Slot 2 Reported: 10/07/24 05:53
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-4'	E409295-01A	Soil	09/27/24	10/01/24	Glass Jar, 2 oz.
FS02-4'	E409295-02A	Soil	09/27/24	10/01/24	Glass Jar, 2 oz.
FS03-4'	E409295-03A	Soil	09/27/24	10/01/24	Glass Jar, 2 oz.
FS04-4'	E409295-04A	Soil	09/27/24	10/01/24	Glass Jar, 2 oz.
FS05-4'	E409295-05A	Soil	09/27/24	10/01/24	Glass Jar, 2 oz.
FS06-4'	E409295-06A	Soil	09/27/24	10/01/24	Glass Jar, 2 oz.
FS07-4'	E409295-07A	Soil	09/27/24	10/01/24	Glass Jar, 2 oz.
FS08-4'	E409295-08A	Soil	09/27/24	10/01/24	Glass Jar, 2 oz.



		1	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 2300	ger Lake South S)3-0002 ley Giovengo	Slot 1 ROW to Slo	ot 2	Reported: 10/7/2024 5:53:59AM
		FS01-4'				
		E409295-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2440026
Benzene	ND	0.0250	1	10/01/24	10/02/24	
Ithylbenzene	ND	0.0250	1	10/01/24	10/02/24	
oluene	ND	0.0250	1	10/01/24	10/02/24	
-Xylene	ND	0.0250	1	10/01/24	10/02/24	
,m-Xylene	ND	0.0500	1	10/01/24	10/02/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/02/24	
urrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	10/01/24	10/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2440026
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/02/24	
urrogate: 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	Analy	st: NV		Batch: 2440043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/04/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/04/24	
urrogate: n-Nonane		113 %	50-200	10/01/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2440049
Chloride	789	20.0	1	10/02/24	10/02/24	



Matador Resources, LLC.	Project Nam	e' Dao	ger Lake South S	ot 1 ROW to Slo	nt 2	
5400 LBJ Freeway, Suite 1500	Project Num		03-0002	<i>n</i> 2	Reported:	
Dallas TX, 75240	Project Man	10/7/2024 5:53:59AN				
		FS02-4'				
		E409295-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/01/24	10/02/24	
o,m-Xylene	ND	0.0500	1	10/01/24	10/02/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/02/24	
urrogate: 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	
Dil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/04/24	
Gurrogate: n-Nonane		110 %	50-200	10/01/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2440049
Chloride	4280	40.0	2	10/02/24	10/02/24	



Matador Resources, LLC.	Project Nam	e' Dag	ger Lake South S	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Num	•	03-0002	<i>n 2</i>	Reported:	
Dallas TX, 75240	Project Man	10/7/2024 5:53:59AM				
		FS03-4'				
		E409295-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
oluene	ND	0.0250	1	10/01/24	10/02/24	
-Xylene	ND	0.0250	1	10/01/24	10/02/24	
,m-Xylene	ND	0.0500	1	10/01/24	10/02/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/02/24	
urrogate: 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	
urrogate: 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	
Dil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/04/24	
urrogate: n-Nonane		113 %	50-200	10/01/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2440049
Chloride	6010	100	5	10/02/24	10/02/24	



		ampie 2				
Matador Resources, LLC.	Project Name	e: Dag	ger Lake South S	lot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230		Reported:		
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo			10/7/2024 5:53:59AN
		FS04-4'				
		E409295-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/01/24	10/02/24	
o,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	/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	g Analyst: NV		Batch: 2440043	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/04/24	
Dil 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	Analys	t: DT		Batch: 2440049
Chloride	687	20.0	1	10/02/24	10/02/24	



		•				
Matador Resources, LLC.	Project Nam	e: Dag	ger Lake South S	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	03-0002		Reported:	
Dallas TX, 75240	Project Man	ager: Ash	ley Giovengo			10/7/2024 5:53:59AN
		FS05-4'				
		E409295-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/01/24	10/02/24	
o,m-Xylene	ND	0.0500	1	10/01/24	10/02/24	
Fotal 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	g/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	kg Analyst: NV		Batch: 2440043	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/04/24	
Dil 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	Analys	t: DT		Batch: 2440049
Chloride	5900	100	5	10/02/24	10/02/24	



Samnle Data

Matador Resources, LLC.	Project Name:	Dagg	ger Lake South Slo	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Number:	2300	3-0002			Reported:
Dallas TX, 75240	Project Manager:	Ashl	ey Giovengo			10/7/2024 5:53:59AM
	F	S06-4'				
	E40	09295-06				
		Reporting				
Analyte	Result	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	
thylbenzene	ND	0.0250	1	10/01/24	10/02/24	
oluene	ND	0.0250	1	10/01/24	10/02/24	
-Xylene	ND	0.0250	1	10/01/24	10/02/24	
,m-Xylene	ND	0.0500	1	10/01/24	10/02/24	
otal Xylenes	ND	0.0250	1	10/01/24	10/02/24	
urrogate: 4_Bromochlorobenzene_PID		1%	70 130	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	

	D	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	ot 2	Reported: 10/7/2024 5:53:59AM
		FS07-4'				
		E409295-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
o,m-Xylene	ND	0.0500	1	10/01/24	10/02/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/02/24	
urrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	10/01/24	10/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	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	ng/kg Analyst: NV		Batch: 2440043	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/04/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/04/24	
Gurrogate: n-Nonane		113 %	50-200	10/01/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2440049
Chloride	5430	100	5	10/02/24	10/02/24	



		1				
Matador Resources, LLC.	Project Name	e				
5400 LBJ Freeway, Suite 1500	Project Num			Reported:		
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo			10/7/2024 5:53:59AN
		FS08-4'				
		E409295-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	ng/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	Analy	st: 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	Analy	st: DT		Batch: 2440049
Chloride	2090	40.0	2	10/02/24	10/02/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	agger Lake So 3003-0002 shley Gioveng		ROW to S	Slot 2		Reported: 10/7/2024 5:53:59AM
		Volatile O		Analyst: CG					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440026-BLK1)							Prepared: 1	0/01/24 A	nalyzed: 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	0.0250	8.00		103	70-130			
LCS (2440026-BS1)	Prepared:							0/01/24 A	nalyzed: 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			
p-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	0.0250	8.00		100	70-130			
Matrix Spike (2440026-MS1)				Source:	E409288-	03	Prepared: 1	0/01/24 A	nalyzed: 10/02/24
Benzene	5.91	0.0250	5.00	ND	118	54-133	1		5
Ethylbenzene	5.69	0.0250	5.00	ND	113	61-133			
Toluene	5.81	0.0250	5.00	ND	114	61-130			
o-Xylene	5.68	0.0250	5.00	ND	110	63-131			
•	11.6	0.0230	10.0	ND	114	63-131			
p,m-Xylene	17.2	0.0500	15.0	ND	115	63-131			
Total Xylenes Surrogate: 4-Bromochlorobenzene-PID	8.00	0.0250	8.00	ND	100	70-130			
Matrix Spike Dup (2440026-MSD1)				Source:	E409288-	03	Prepared: 1	0/01/24 A	nalyzed: 10/02/24
	5.19	0.0250	5.00	ND	104	54-133	12.9	20	
Benzene	5.02	0.0250	5.00	ND	104	61-133	12.9	20	
Ethylbenzene	5.02	0.0250	5.00	ND		61-133	12.5		
Toluene		0.0250			102			20	
p-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

		$\mathbf{x} \in \mathbf{v}$			•					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002	uth Slot 1	Slot 2		Reported:		
Dallas TX, 75240		Project Manager:		Ashley Gioveng	0	10/7/2024 5:53:59AM				
	No	nhalogenated (Analyst: CG						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2440026-BLK1)							Prepared: 1	0/01/24 A	nalyzed: 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: 1	0/01/24 A	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)	atrix Spike (2440026-MS2) Source: E409288-03					Prepared: 1	0/01/24 A	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: 1	0/01/24 A	nalyzed: 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

		QU N		ary Date					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake Sc 23003-0002	outh Slot 1	ROW to S	Slot 2		Reported:
Dallas TX, 75240	Project Manager: Ashley Giovengo								10/7/2024 5:53:59AM
	Nonha	alogenated Org	ganics b	y EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440043-BLK1)							Prepared: 1	0/01/24 A	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: 1	0/01/24 A	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: 1	0/01/24 A	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: 1	0/01/24 A	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

				v					
Matador Resources, LLC.		Project Name:		Dagger Lake So	outh Slot 1	ROW to S	Slot 2		Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		23003-0002					
Dallas TX, 75240		Project Manager		Ashley Gioveng	go				10/7/2024 5:53:59AM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440049-BLK1)							Prepared: 1	0/02/24 A	nalyzed: 10/02/24
Chloride	ND	20.0							
LCS (2440049-BS1)							Prepared: 1	0/02/24 A	analyzed: 10/02/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2440049-MS1)	Source: E409294-03 Prepared: 10/							0/02/24 A	analyzed: 10/02/24
Chloride	702	20.0	250	444	103	80-120			
Matrix Spike Dup (2440049-MSD1)				Source:	E409294-	03	Prepared: 1	0/02/24 A	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.



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

	Clie	nt Inform	ation		Invoice In	formation				La	b Us	e On	ly				TAT		Page State CO UT TX A Program CWA RCRA CWA RCRA A RCRA A RCRA A RCRA A RCRA A RCRA
lient: N	Aatador Proc				Company: Ensolum LLC			La							D 3D St				
	hager La			ROW Stor	Address: 3122 National Parks Hwy			E	b W0# Job Number 1D 2D 3D						V				
roject N	Aanager: As	nley Giov	engo	2	City, State, Zip: Carlst	ad NM, 8822	0												
ddress	3122 Nation	nal Parks	Hwy		Phone: 575-988-005	5		_				Ana	lysis	and	Meth	hod			Program
	e, Zip: Carls		88220		Email: agiovengo@	ensolum.com	IM.com SDWA CW/				CWA RCRA								
	575-988-005				Miscellaneous:														
mail: a	giovengo@e	nsolum.c	om					_	8015	015								Compliance PWSID #	e Y or N
				Sample Infor	rmation				þ	by 8	021	260	300.0	MN	×1-	etals		P VV3ID #	
Time		1.1.1	No. of	Sample mot				Lab	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		F	Remarks
Sampled	Date Sampled	Matrix	Containers		Sample ID		Field	Lab Numbe	DRO/	GRO,	BTEX	VOC	Chlor	BGD(TCEQ	RCR/			
	at 1.				A NW			1						V					
1124	9/27/24	Soil			FS01-4"			,						×				-	
1120	1	4	1		1 02 1			a						X					
1125		-	-		02			1	-	-		-		N		-	-	-	
1123					03			S				1.1.1		X					
110)								Y					-	V				1	
1119					04			4						X					
1100								5						V					
1123					05		-	9			-		-	~			-		
1119					126			4						X					
met					1 4			4						17					
1120					07		1	7			-			X		-			
		1			1081			8						V					
1120	V	Y	Y		1 18 1			0	-					X		-			
							-		-			2	-						
															-				
ddition	al Instructio	ns: Ple	se CC: cbu	rton@ensolum.	.com, agiovengo@ensol	um.com, iest	rella@	Pensolu	im.com	m, bc	leal@	Pens	olum	.con	n, cha	amiltor	@ensolu	m.com,	
	ns@ensolum									-									
					vare that tampering with or intent	ionally mislabeling	the sar	nple locati	on, date	or tim	e of co	llection	n is cor	nsidere	ed frau	d and ma	be grounds	for legal action.	
	ed by: (Signatur		Date	Time	Desited by 10 and	rel	Date	-	Time		-			Sampl	es requi	ring therm	al preservation	must be received o	n ice the day they are
eninquisi	0 0 C	A		0/24 8-12	Received by: (Signatu	ne	9	30.2	4	14	SI	5		sample	ed or ree	ceived pac			ut less than 6 °C on
elinquish	ed by: (Signatu	re)		Time	Received hy (Signatu	re)	Date		Time	1.	10			subser	went da	avs	Lab	Use Only	
C.	Lan		Date .3	and the	ad the M.		9.	30.24	1	13	0			Rec	eived	on ice	(Y)	N	
elinguish	ed by: (Signatu	re)	Date	Time	Received by: pigpatu	re)	Date	12	Time		~						0		
lada	J.M.			0.24 24	00 auch	Man	10	1.29	r X	.0)			<u>T1</u>	-	-	<u>T2</u>]	<u>13</u>
Telinquish	ed by: (Signatu	re)	Date	Time	Received by: (Signatu	re)	Date		Time					AVC	i Tem	- °c (4		
														AVC	rem	ID C			

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	10/01/24	08:00	Work Order ID:	E409295
Phone:	(972) 371-5200 Da	te Logged In:	09/30/24	16:20	Logged In By:	Raina Schwanz
Email:		e Date:		17:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match t	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Commen	ts/Resolution
Sample	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes			
13 If no	visible ice, record the temperature. Actual sample tem	nerature: 4°	С			
	Container		<u> </u>			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La						
20. Were	e field sample labels filled out with the minimum informa	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
_	Preservation s the COC or field labels indicate the samples were prese	mued?	No			
	sample(s) correctly preserved?	i vou :	No NA			
	b filteration required and/or requested for dissolved meta	157	NA			
			110			
	nase Sample Matrix		№ ⊺-			
		19	No			
-	s, does the COC specify which phase(s) is to be analyzed	11	NA			
	tract Laboratory					
	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		

envirotech Inc.

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

•





5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dagger Lake South Slot 1 ROW to Slot 2
Work Order:	E410036
Job Number:	23003-0002
Received:	10/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/10/24

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: 10/10/24

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



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 reguarding 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS09-4'	6
FS10-4'	7
FS11-4'	8
FS12-4'	9
FS13-4'	10
FS14-4'	11
FS15-4'	12
FS16-4'	13
FS17-4'	14
FS18-4'	15
FS19-4'	16
FS20-4'	17
FS21-4'	18
FS22-4'	19
FS23-4'	20
FS24-4'	21
FS25-4'	22
FS26-4'	23
FS27-4'	24
FS28-4'	25

•

Table of Contents (continued)

FS29-4'	26
FS30-4'	27
FS31-4'	28
FS32-4'	29
FS33-4'	30
FS34-4'	31
FS35-4'	32
FS36-4'	33
FS37-4'	34
QC Summary Data	35
QC - Volatile Organic Compounds by EPA8260B	35
QC - Volatile Organics by EPA 8021B	36
QC - Nonhalogenated Organics by EPA 8015D - GRO	37
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	39
QC - Anions by EPA 300.0/9056A	41
Definitions and Notes	43
Chain of Custody etc.	44

Sample Summarv

		Sample Sum	ť				
Matador Resources, LLC.		Project Name: Dagger Lake South Slot 1 RO			1 ROW to Slot 2 Reported:		
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager:	23003-0002 Ashley Giovengo	Ashley Giovengo			
Danas 1A, 75270		Tiojeet Manager.	Asiney Glovengo		10/10/24 11:05		
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
509-4'	E410036-01A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
510-4'	E410036-02A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
511-4'	E410036-03A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
512-4'	E410036-04A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
13-4'	E410036-05A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
14-4'	E410036-06A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
15-4'	E410036-07A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
16-4'	E410036-08A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
17-4'	E410036-09A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
18-4'	E410036-10A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
19-4'	E410036-11A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
20-4'	E410036-12A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
21-4'	E410036-13A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
22-4'	E410036-14A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
23-4'	E410036-15A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
24-4'	E410036-16A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
25-4'	E410036-17A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
26-4'	E410036-18A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
27-4'	E410036-19A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
28-4'	E410036-20A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
29-4'	E410036-21A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
30-4'	E410036-22A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
31-4'	E410036-23A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
32-4'	E410036-24A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
33-4'	E410036-25A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
34-4'	E410036-26A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
35-4'	E410036-27A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
36-4'	E410036-28A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		
37-4'	E410036-29A	Soil	10/02/24	10/04/24	Glass Jar, 2 oz.		



	D	ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb		ger Lake South)3-0002	Slot 1 ROW to Slo	ot 2	Reported:
Dallas TX, 75240	Project Manag		ley Giovengo			10/10/2024 11:05:46AM
		FS09-4'				
		E410036-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: RKS		Batch: 2440107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/24	10/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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		106 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2440110
Chloride	3380	40.0	2	10/04/24	10/04/24	



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Matador Resources, LLC.	Project Name	0	ger Lake South Sl	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002		Reported:	
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			10/10/2024 11:05:46AM
		FS10-4'				
		E410036-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Foluene	ND	0.0250	1	10/04/24	10/08/24	
p-Xylene	ND	0.0250	1	10/04/24	10/08/24	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Fotal 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	Analys	t: 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	
Dil 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	Analys	t: RAS		Batch: 2440110
Chloride	1910	40.0	2	10/04/24	10/04/24	



		ampic D				
Matador Resources, LLC.	Project Name	: Dag	ger Lake South S	ot 1 ROW to Slo	t 2	
5400 LBJ Freeway, Suite 1500	Project Numb	er: 2300	03-0002	Reported:		
Dallas TX, 75240	Project Manag	10/10/2024 11:05:46AM				
		FS11-4'				
		E410036-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/04/24	10/08/24	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Fotal 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	Analys	t: 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	Analys	t: AF		Batch: 2440099
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/24	10/05/24	
Dil 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	Analys	t: RAS		Batch: 2440110
Chloride	2210	40.0	2	10/04/24	10/04/24	

Matador Resources, LLC.	Project Nam	e: Dag	ot 2			
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	03-0002		Reported:	
Dallas TX, 75240	Project Mana	10/10/2024 11:05:46AM				
		FS12-4'				
		E410036-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/04/24	10/08/24	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Fotal 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	Analys	t: 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	kg Analyst: AF			Batch: 2440099
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/24	10/05/24	
Dil 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	Analys	t: RAS		Batch: 2440110
Chloride	447	20.0	1	10/04/24	10/04/24	



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Matador Resources, LLC.	Project Name	:: Dag	ger Lake South Sl	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 230	03-0002	Reported:		
Dallas TX, 75240	Project Mana	10/10/2024 11:05:46AM				
		FS13-4'				
		E410036-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
p-Xylene	ND	0.0250	1	10/04/24	10/08/24	
o,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	Analys	:: 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	/kg Analyst: AF			Batch: 2440099
Diesel Range Organics (C10-C28)	58.5	25.0	1	10/04/24	10/05/24	
Dil 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	Analys	:: RAS		Batch: 2440110
Chloride	3630	40.0	2	10/04/24	10/04/24	
liionde	0000	10.0				

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Matador Resources, LLC.	Project Name	e: Dag	ger Lake South Sl	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	03-0002	Reported:		
Dallas TX, 75240	Project Mana	10/10/2024 11:05:46AM				
		FS14-4'				
		E410036-06				
		Reporting				
Analyte	Result	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	
Foluene	ND	0.0250	1	10/04/24	10/08/24	
p-Xylene	ND	0.0250	1	10/04/24	10/08/24	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Fotal 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	g/kg Analyst: AF		Batch: 2440099	
Diesel Range Organics (C10-C28)	25.4	25.0	1	10/04/24	10/05/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24	
Gurrogate: 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	



	D	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	t 2	<b>Reported:</b> 10/10/2024 11:05:46AM
		FS15-4'				
		E410036-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
oluene	ND	0.0250	1	10/04/24	10/08/24	
-Xylene	ND	0.0250	1	10/04/24	10/08/24	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/04/24	10/08/24	
urrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: 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	Analys	t: AF		Batch: 2440099
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/24	10/05/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24	
Gurrogate: n-Nonane		101 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2440110
Chloride	4570	40.0	2	10/04/24	10/04/24	



Matador Resources, LLC.	Project Name	e: Dag	ger Lake South	ot 2		
5400 LBJ Freeway, Suite 1500	Project Num	ber: 2300	03-0002		Reported:	
Dallas TX, 75240	Project Mana	ager: Ash		10/10/2024 11:05:46AM		
		FS16-4'				
		E410036-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Fotal 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	Anal	yst: 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	g Analyst: AF			Batch: 2440099
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/24	10/05/24	
Dil 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	Anal	yst: RAS		Batch: 2440110
Chloride	5640	100	5	10/04/24	10/04/24	



	5	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	t 2	<b>Reported:</b> 10/10/2024 11:05:46AN
		FS17-4'				
		E410036-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	Analys	:: 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	Analys	:: 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	Analys	:: RAS		Batch: 2440110
Chloride	3180	40.0	2	10/04/24	10/04/24	

		ampic D	aca			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Num	ber: 230	ger Lake South S 03-0002	ot 1 ROW to Slo	ot 2	Reported:
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo			10/10/2024 11:05:46AN
		FS18-4'				
		E410036-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/04/24	10/08/24	
p,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Fotal 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	Analys	t: 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	Analys	t: 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	Analys	t: RAS		Batch: 2440110
Chloride	2360	40.0	2	10/04/24	10/04/24	



	5	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	t 2	<b>Reported:</b> 10/10/2024 11:05:46AM
		FS19-4'				
		E410036-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
p-Xylene	ND	0.0250	1	10/04/24	10/08/24	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/04/24	10/08/24	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2440107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/24	10/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	y/kg Analyst: AF			Batch: 2440099
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/24	10/05/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24	
Gurrogate: n-Nonane		110 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2440110
Chloride	2340	40.0	2	10/04/24	10/04/24	



Sumple Data						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	Dagger Lake South Slot 1 ROW to Slot 2 23003-0002 Ashley Giovengo			<b>Reported:</b> 10/10/2024 11:05:46AM
	Troject Mana	0	ley Glovengo			10,10,2021 11.05.1011
		FS20-4'				
		E410036-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	g 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	
foluene	ND	0.0250	1	10/04/24	10/08/24	
p-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	ng/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	


	~	ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 230	ger Lake South Sl )3-0002 ley Giovengo	ot 2	<b>Reported:</b> 10/10/2024 11:05:46AM	
		FS21-4'				
		E410036-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
p-Xylene	ND	0.0250	1	10/04/24	10/08/24	
o,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	
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24	
Gurrogate: n-Nonane		98.3 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2440110
Chloride	3360	40.0	2	10/04/24	10/04/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Dagger Lake South Slot 1 ROW to Slot 2Project Number:23003-0002Project Manager:Ashley Giovengo			ot 2	<b>Reported:</b> 10/10/2024 11:05:46AM	
Danas 1A, 752+0	I Tojeet Maila	0	ley Glovengo			10/10/2021 11:05:10/11
		FS22-4'				
		E410036-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	: 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	
p-Xylene	ND	0.0250	1	10/04/24	10/08/24	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/04/24	10/08/24	
urrogate: 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	
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24	
Gurrogate: n-Nonane		103 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2440110
Chloride	2560	40.0	2	10/04/24	10/04/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Man	ber: 230	ger Lake South Sl )3-0002 ley Giovengo	ot 2	<b>Reported:</b> 10/10/2024 11:05:46AM	
		FS23-4'				
		E410036-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/04/24	10/08/24	
urrogate: 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	
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24	
Gurrogate: n-Nonane		104 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2440110
Chloride	5820	100	5	10/04/24	10/04/24	



	L.	sample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Dagger Lake South Slot 1 ROW to Slot 2Project Number:23003-0002Project Manager:Ashley Giovengo						
		FS24-4'					
		E410036-16					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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		
p-Xylene	ND	0.0250	1	10/04/24	10/08/24		
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24		
Total Xylenes	ND	0.0250	1	10/04/24	10/08/24		
urrogate: 4-Bromochlorobenzene-PID		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		
Surrogate: 1-Chloro-4-fluorobenzene-FID		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		
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24		
Gurrogate: n-Nonane		106 %	50-200	10/04/24	10/05/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2440110	
Chloride	4620	40.0	2	10/04/24	10/04/24		



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 2	<b>Reported:</b> 10/10/2024 11:05:46AN	
Danas 1A, 75240	Project Mana	ager: Asii	ley Glovengo			10/10/2024 11:05:40AW
		FS25-4'				
		E410036-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
p-Xylene	ND	0.0250	1	10/04/24	10/08/24	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Fotal 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	
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24	
Gurrogate: n-Nonane		112 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2440110
Chloride	2550	40.0	2	10/04/24	10/04/24	



	D	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Dagger Lake South Slot 1 ROW to Slot 2Project Number:23003-0002Project Manager:Ashley Giovengo				ot 2	<b>Reported:</b> 10/10/2024 11:05:46AM
		FS26-4'				
		E410036-18				
		Reporting				
Analyte	Result	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	
p-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	/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	ng/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	



	5	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 230	ger Lake South S 03-0002 ley Giovengo	ot 1 ROW to Slo	t 2	<b>Reported:</b> 10/10/2024 11:05:46AM
		FS27-4'				
		E410036-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
o,m-Xylene	ND	0.0500	1	10/04/24	10/08/24	
Total Xylenes	ND	0.0250	1	10/04/24	10/08/24	
urrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/04/24	10/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys		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	mg/kg Analyst: AF		Batch: 2440099	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/24	10/05/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/04/24	10/05/24	
Gurrogate: n-Nonane		104 %	50-200	10/04/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2440110
Chloride	6020	100	5	10/04/24	10/04/24	



Project Name	e: Dag	ger Lake South Sl	ot 2		
Project Num	ber: 230	03-0002			Reported:
Project Mana	ager: Ash	ley Giovengo		10/10/2024 11:05:46AN	
	FS28-4'				
	E410036-20				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst	:: RKS		Batch: 2440107
ND	0.0250	1	10/04/24	10/08/24	
ND	0.0250	1	10/04/24	10/08/24	
ND	0.0250	1	10/04/24	10/08/24	
ND	0.0250	1	10/04/24	10/08/24	
ND	0.0500	1	10/04/24	10/08/24	
ND	0.0250	1	10/04/24	10/08/24	
	101 %	70-130	10/04/24	10/08/24	
mg/kg	mg/kg	Analyst: RKS			Batch: 2440107
ND	20.0	1	10/04/24	10/08/24	
	96.7 %	70-130	10/04/24	10/08/24	
mg/kg	mg/kg	g Analyst: AF		Batch: 2440099	
ND	25.0	1	10/04/24	10/05/24	
ND	50.0	1	10/04/24	10/05/24	
	114 %	50-200	10/04/24	10/05/24	
mg/kg	mg/kg	Analyst: RAS		Batch: 2440110	
	Project Num Project Mana Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Number:         2.30           Project Manager:         Ash           FS28-4'         E410036-20           Result         E410036-20           Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         20.0           96.7 %         mg/kg           MD         25.0           ND         50.0           ND         50.0	Project Number:       23003-0002         Project Manager:       Ashley Giovengo         FS28-4'         E410036-20         Result       Limit       Dilution         mg/kg       mg/kg       Analyst         ND       0.0250       1         ND       20.0       1         mg/kg       mg/kg       Analyst         ND       20.0       1         MD       25.0       1         ND       50.0       1         ND       50.0       1         ND       50.0       1	Project Number:       23003-0002         Project Manager:       Ashley Giovengo         FS28-4'       FS28-4'         E410036-20       Prepared         Result       Limit       Dilution       Prepared         MD       0.0250       1 $10/04/24$ ND       20.0       1 $10/04/24$ ND       20.0       1 $10/04/24$ ND       20.0       1 $10/04/24$ ND       25.0       1 $10/04/24$ ND       25.0       1 $10/04/24$ ND       50.0       1 $10/04/24$	Project Number:       23003-0002         Project Manager:       Ashley Giovengo         FS28-4'         FS28-4'         E410036-20         Reporting         Result       Limit       Dilution       Prepared       Analyzed         mg/kg       mg/kg       Analyst: RKS       VIII       10/04/24       10/08/24         ND       0.0250       1       10/04/24       10/08/24       10/08/24         ND       0.0250       1       10/04/24       10/08/24         ND       20.0       1       10/04/24       10/08/24         MD       20.0       1       10/04/24       10/08/24         MD       20.0       1       10/04/24       10/08/24         MD       20.0       1       10/04/24       10/08/24



## Sample Data

		ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Num	ber: 2300	ger Lake S )3-0002	t 2	Reported:		
Dallas TX, 75240	Project Mana	ager: Ash	ley Giover	ngo			10/10/2024 11:05:46AM
		FS29-4'					
		E410036-21					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
Foluene	ND	0.0250		1	10/04/24	10/07/24	
-Xylene	ND	0.0250		1	10/04/24	10/07/24	
o,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	
Dil 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**

	~	bample D	aca				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 2300	ger Lake S 03-0002 ley Giover		ot 1 ROW to Slo	t 2	<b>Reported:</b> 10/10/2024 11:05:46AM
		FS30-4'					
		E410036-22					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	10/04/24	10/07/24	
p,m-Xylene	ND	0.0500		1	10/04/24	10/07/24	
Fotal 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	
Dil 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

	~	ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 2300	ger Lake S )3-0002 ley Gioven		ot 1 ROW to Slo	t 2	<b>Reported:</b> 10/10/2024 11:05:46AM
		FS31-4'					
		E410036-23					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
o,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	
Dil 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**

	~	ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 2300	ger Lake Sou 03-0002 ey Giovenge	uth Slot 1 ROW to Slo	ot 2	<b>Reported:</b> 10/10/2024 11:05:46AM
		FS32-4'				
		E410036-24				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
p-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	Α	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	Α	analyst: RAS		Batch: 2440112
Chloride	903	20.0	1	10/04/24	10/04/24	



Sumple Dutu									
Matador Resources, LLC.	Project Nam	ot 2							
5400 LBJ Freeway, Suite 1500	Project Num	ber: 2300	03-0002				Reported:		
Dallas TX, 75240	Project Mana	ager: Ash	ey Gioven	10/10/2024 11:05:46AN					
		FS33-4'							
		E410036-25							
		Reporting							
Analyte	Result	Limit	Dil	ution	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			
p-Xylene	ND	0.0250		1	10/04/24	10/07/24			
o,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	Project Name: Project Numb	-	ger Lake So )3-0002	uth Slot 1 ROW	to Slot 2	Reported:				
Dallas TX, 75240	Project Manag		ley Gioveng	10/10/2024 11:05:46AM						
		FS34-4'								
		E410036-26								
		Reporting								
Analyte	Result	Limit	Dilut	tion Prepare	d Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2440108				
Benzene	ND	0.0250	1	10/04/2	4 10/07/24					
Ethylbenzene	ND	0.0250	1	10/04/2	4 10/07/24					
Toluene	ND	0.0250	1	10/04/2	4 10/07/24					
p-Xylene	ND	0.0250	1	10/04/2	4 10/07/24					
o,m-Xylene	ND	0.0500	1	10/04/2	4 10/07/24					
Total Xylenes	ND	0.0250	1	10/04/2	4 10/07/24					
Surrogate: Bromofluorobenzene		98.8 %	70-130	10/04/2	4 10/07/24					
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/04/2	4 10/07/24					
Surrogate: Toluene-d8		101 %	70-130	10/04/2	4 10/07/24					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS		Batch: 2440108				
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/2	4 10/07/24					
Surrogate: Bromofluorobenzene		98.8 %	70-130	10/04/2	4 10/07/24					
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/04/2	4 10/07/24					
Surrogate: Toluene-d8		101 %	70-130	10/04/2	4 10/07/24					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2440113				
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/2	4 10/05/24					
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/2	4 10/05/24					
Surrogate: n-Nonane		80.1 %	50-200	10/04/2	4 10/05/24					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: RAS		Batch: 2440112				
Chloride	4510	40.0	2	10/04/2	4 10/05/24					



## Sample Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	ger Lake S )3-0002 ley Giover		ot 1 ROW to Slo	t 2	<b>Reported:</b> 10/10/2024 11:05:46AM			
FS35-4'										
		E410036-27								
Analyte	Result	Reporting Limit	Dil	ution	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				



Sumple Duta										
Matador Resources, LLC.	Project Name	ot 2								
5400 LBJ Freeway, Suite 1500	Project Number: 23003-0002					Reported:				
Dallas TX, 75240	Project Manag	ger: Ash	ley Gioven	10/10/2024 11:05:46AM						
		FS36-4'								
		E410036-28								
		Reporting								
Analyte	Result	Limit	Dilu	ution	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				
Dil 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				



	uu						
Matador Resources, LLC.	Project Name	ot 2					
5400 LBJ Freeway, Suite 1500	Project Num	ber: 2300	03-0002			Reported:	
Dallas TX, 75240	Project Mana	ager: Ash	ley Gioven	10/10/2024 11:05:46AM			
		FS37-4'					
		E410036-29					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	



## **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ngger Lake Sou 003-0002 shley Giovengo		ROW to S	Slot 2	10/	<b>Reported:</b> 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			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2440108-BLK1)								0/04/24 Ana	lyzed: 10/07/24		
Benzene	ND	0.0250					Trepurea. T	0,0 1/2 T Tilla	1920a. 10/07/21		
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
	ND	0.0230									
p,m-Xylene Total Xylenes	ND	0.0250									
	0.502	0.0250	0.500		100	70-130					
Surrogate: Bromofluorobenzene											
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0 00.0	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: I	E <b>410036</b> -2	24	Prepared: 10/04/24 Analyzed: 10/07/				
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: I	E <b>410036-</b> 2	24	Prepared: 1	0/04/24 Ana	lyzed: 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	agger Lake So 3003-0002 shley Gioveng		ROW to S	Slot 2		<b>Reported:</b> 10/10/2024 11:05:46AM
		Volatile Or		Analyst: RKS					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440107-BLK1)							Prepared:	10/04/24	Analyzed: 10/08/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-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							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:	E410036-0	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			
p-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:	E410036-0	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	
•	4.98	0.0250	5.00	ND	99.7	61-130	0.675	20	
Toluene			= 00		00.0	(2,121	0.794	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	0.794	20	
	4.96 10.1	0.0250 0.0500	5.00 10.0	ND ND	99.3 101	63-131	0.794	20 20	
o-Xylene									



## **QC Summary Data**

			-		-					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002	outh Slot 1	Slot 2	Reported:			
Dallas TX, 75240		Project Manager	:	Ashley Gioveng	;o				10/10/2024 11:05:46AM	
	Nonhalogenated Organics by EPA 8015D - GRO Analyst: RKS									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2440107-BLK1)							Prepared: 1	0/04/24	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: 1	0/04/24	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: 1	0/04/24	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: 1	0/04/24	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**

		<b>V</b> C D			~				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	er: 23003-0002				<b>Reported:</b> 10/10/2024 11:05:46AN		
	No		Analyst: RKS						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440108-BLK1)							Prepared: 1	0/04/24	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: 1	0/04/24	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:	E410036-2	24	Prepared: 1	0/04/24	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:	E410036-2	24	Prepared: 1	0/04/24	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			
	0.510		0.500		102	70 120			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			

## **QC Summary Data**

		QU N	<b>41111</b>	iary Data	•						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002	uth Slot 1	ROW to S	Slot 2		Reported:		
Dallas TX, 75240		Project Manager:		Ashley Gioveng	0				10/10/2024 11:05:46AM		
	Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: AF										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2440099-BLK1)							Prepared: 1	0/04/24 <i>A</i>	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: 1	0/04/24 A	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: 1	0/04/24 A	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: 1	0/04/24 <i>A</i>	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**

			•	iary Dan							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002	outh Slot 1	Slot 2		Reported:			
Dallas TX, 75240		Project Manager	:	Ashley Gioveng	jo				10/10/2024 11:05:46AM		
	Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: NV										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2440113-BLK1)							Prepared: 1	0/04/24 <i>A</i>	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: 1	0/04/24 A	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: 1	0/04/24 A	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: 1	0/04/24 A	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**

		<u> </u>		v						
Matador Resources, LLC.		Project Name:		Reported:						
5400 LBJ Freeway, Suite 1500		Project Number:	2.	3003-0002						
Dallas TX, 75240		Project Manager	:: А	shley Gioven	go				10/10/202	4 11:05:46AM
		Anions	by EPA	300.0/90564	4				Analy	st: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPE Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		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:	E410036-0	)4	Prepared	: 10/04/24	Analyzed	: 10/04/24
Chloride	739	20.0	250	447	117	80-120				
Matrix Spike Dup (2440110-MSD1)				Source:	E410036-0	)4	Prepared	: 10/04/24	Analyzed	: 10/04/24
Chloride	680	20.0	250	447	93.3	80-120	8.39	20		



## **QC Summary Data**

		•		e					
Matador Resources, LLC.		Project Name:		Dagger Lake So	outh Slot 1	ROW to S	Slot 2		Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		23003-0002					•
Dallas TX, 75240		Project Manager	: .	Ashley Gioveng	go				10/10/2024 11:05:46A
		Anions	by EPA	300.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2440112-BLK1)							Prepared: 1	0/04/24 A	Analyzed: 10/04/24
Chloride	ND	20.0							
LCS (2440112-BS1)							Prepared: 1	0/04/24 A	Analyzed: 10/04/24
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2440112-MS1)				Source:	E410036-2	24	Prepared: 1	0/04/24 A	Analyzed: 10/04/24
Chloride	1180	20.0	250	903	112	80-120			
Matrix Spike Dup (2440112-MSD1)				Source:	E410036-	24	Prepared: 1	0/04/24 A	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.



_		Demitions		
ſ	Matador Resources, LLC.	Project Name:	Dagger Lake South Slot 1 ROW to Slot 2	
l	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**

	Clier	nt Inform	nation		Invoice Inform	nation			La	ab Us	e On	nly				TAT	Sta	te
	Aatador Prod				Company: Ensolum LLC		La	ab WO# Job Number 23063-0002					ber	0	1D	2D 3D Sto	NM CO U	т тх
				LOW to slot	Address: 3122 National P		E	4101	034	0	K3	83.	000	K	-	X		
	Aanager: Asl				City, State, Zip: Carlsbad I Phone: 575-988-0055	NM, 88220	-	-	-		An2	lucie	and	Mot	hod		EPA Prog	ram
	3122 Nation e, Zip: Carls				Email: agiovengo@ensc	lum com	_	-	1	-	Alla	IIYSIS	anu	wiet	IIII	11	SDWA CWA	_
	575-988-005		00220		Miscellaneous:	ium.com	_											
	giovengo@e		om					15	15								Compliance Y	or f
								by 80	by 80	21	00	0.00	Σ	×1	tals		PWSID #	
-			11.5	Sample Info	ormation	h 1	l lab	а DRO/ORO by 8015	DRO	by 80	oy 82(	ide 3(	0C - N	TCEQ 1005 - TX	RCRA 8 Metals		Remark	(S
Time ampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	Lab Numbe	er /oug	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ.	RCRA		neman	
1150	10/2/24	Soil	X		F509-41		1						X					
	10/401	2011	-				1					1	V					
1153		1	1		10		2	2	-				1	<u></u>				_
158							3	101					X					
					10		4		1				8					
200		-						-	-	-		-	A					
1204	( <u></u> )	-			13	1000	5		_			-	X					
1207					14		6						X					
1210					15		7						X					
							-	-					V					
1310					14		8	-		-	-		X	-				
1314					111		9						X					
1314	V	1			18 1		10						X					
1.1.1	al Instructio	ns: Plea	ase CC: cb	urton@ensolun	n.com, agiovengo@ensolum.	com, chamilto		solum.	com,	iesti	rella@	@ens	olun	n.cor	n		4	
(field sam	siler), attest to the	FShe	authenticity	of this sample. I am a	ware that tampering with or intentionall	y mislabeling the sa	imple locat	tion, date	e or tim	e of co	Silection	on is co	nsidere	ed frau	id and i	nay be grounds i	or legal action.	
elinquish	ed by: (Signatur	re)	Date	Time	Received by: (Signature)	Janbe Date	640	Time	22	б	5		10.0000000	10 P. 1 P. 1 P. 1	~	The second second second second second	must be received on ice the avg temp above 0 but less th	
-	eg by: (Signatur	A	Date	/ Time	Received by: (Signature)	Date		Time	, D.	/	1		subsec	quent d	lavs	Lab I	Jse Only	-
0	L ,	yand	10/	3/24 160	5 L.H.	10	1.3.2	u l	13	0			Rece	eived	d on i	ce: (Y)	N	
elinovish	ed by: (Signatur	re)	Date	Time	Received by (Signaturen	A. Date	1.121	Time	TAN							-	-	
A	<u>М.                                    </u>		10.	3.24 24	00 Juin In	an 101			CO)		-		<u>T1</u>			<u>T2</u>	<u> T3</u>	
elinquish	ed by: (Signatur	re)	Date	Time	Received by: (Signature)	Date		Time					AVG	5 Ter	np °C	4		
	rix: S - Soil, Sd - So				_				-	1			ic, ag	- am	ber gl	ass, v - VOA		
					ss other arrangements are made. Ha									e clie	nt exp	ense. The repo	rt for the analysis of t	he above
amples is	applicable only	to those s	amples rece	ived by the laborate	ory with this COC. The liability of the	aboratory is lim	nited to th	ne amou	int pai	a for	on the	e repo	π.					

#### **Chain of Custody**

	Clie	nt Inform	ation		Invoice Infor	nation	-		Lab	Use	e Onl	у				TAT		State
lient: N	Aatador Proc	luction Co	ompany		Company: Ensolum LLC				ber	-	1D	2D 3D Sto		UT TX				
roject:	Dagger Le	iksnot	~ Slot1	LROWTO SIOT 2.		dress: 3122 National Parks Hwy E 4/003 0			30	03	· 00	04						
i ofect i	nunuger. no	mer olor	CIIDO	200	City, State, Zip: Carlsbad	NM, 88220				_	Anal	veic	and	Moti	thod EPA Program			
	3122 Natio e, Zip: Carls				Phone: 575-988-0055 Email: agiovengo@ens	olum com		1	T		Ana	y515	anu	wiet				WA   RCRA
	575-988-005		00220		Miscellaneous:	Jameen	-	10										24
mail: a	giovengo@e	nsolum.co	om		and the second second			12	8015								Compliance	Y or N
								DRO/ORO by 8015	by 80	021	60	0.00	¥	X1-	etals		PWSID #	
Time				Sample Info		le si	lab	ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		Rei	narks
Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field Filter Z	umber	DRO/	GRO/	BTEX	VOC	Chlor	BGDO	TCEQ	RCRA			
710	10/2/201	Soil	1		FG19-AL		11	- 1					X		15.71			
318	10/2/24	NI	1		t/IFT			-	-	-	-	-	V		-			
B21	1	1	1		20		2						X					
1000		1			21		3						V					
323					4	1		-	-	-	-	-	A					
BLS					22	1	4				_		X					
					12	1.	5						Y					
1329					23			-	-	-	-	-	A	-			-	
1332					24		0	_					X					
				1.0		1	7						X					
1333					25			-	-	-	-	-	A	-				
335		11			24	1	8						X					
-					27+	1	9						5					
335					121				-	-	-	-	A				-	
1336,	V	V	V		1 28 1		20						X					
	al Instructio	ns: Plea	ase CC: cl	ourton@ensolur	n.com, agiovengo@ensolum	.com, chamilton@	ensolur	m.co	om, ie	estre	ella@	ens	olum	.con	n			
10.11						1	. La constitución de la		. time	of col	laction	is con	ridoro	dfrou	danda	ay ba grounds	for legal action	
(field sam	Brack	e validity and	authenticity	lowale 1	ware that tampering with or intentiona	ly mislabeling the sample	e location, d	Jate o	or time	01 001	lection	i is cor	isidere	u Irau	u anu n	lay be grounds	ion legal action.	
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×	AR=	A		13/24 8-1		Date	24 1	22	5					uent d			Use Only	
elinquist	ed by: (Signatu	gano	Date /0/	3/24 100	Received by: (Signature)	10.3	.74	17	2				Rece	eived	l on id	-		
elipquist	ed by: (Signatu	re)	Date	Time	Received y: (Signature)	Date	1.1	ime,	-									
4.5	1.			3.24 24	00 automa	10/4	129	01	Q	-		.9	<u>T1</u>	-	_	<u>T2</u>	<u>T3</u>	
elinquish	ed by: (Signatu	re)	Date	Time	Received by: (Signature)	Date	1	ime					AVG	Ten	np °C	4		
ample Ma	rix: S - Soil, Sd - S	olid, Sg - Slue	dge, A - Aque	eous, O - Other								lasti	c, ag -	- amb	per gla	iss, v - VOA		
lote: Sam	ples are discard	led 14 days	after resul	ts are reported unle	ess other arrangements are made. H	azardous samples will	be return	ned to	o clien	tord	dispos	ed of	at the	e clier	nt expe	nse. The repo	rt for the analysis	of the above
amples is	applicable only	to those si	amples rec	eived by the laborat	ory with this COC. The liability of th	e laboratory is limited	to the am	nount	r paid	for o	in the	repor	t.	_				

#### **Chain of Custody**

Analysis and Method       EPA Program         Phone:       575-988-0055         imal:       agiovengo@ensolum.com         Miscellaneous:       Marix         Sample Information       Sample Information         Sample Information       Sample ID         Sample Information       Sample ID         Sample Information       Sample ID         Sample ID		Clier	nt Inform	nation		Invoice Inform	nation					e On					TAT	State
Project Manager: Ashley Glovengo       Control Statistical Parks Killy         Chy. State, Zip: Carlsbad MM, 88220       Phone: 575-988-0055         Email: agiovengo@ensolum.com       Somple Information         Sample Information       Sample Infor	lient: I	Aatador Prod	luction Co	ompany				Lab	WO#		.	Job N	Num	ber	-	1D 2	D 3D Sto	MM CO UT TX
Trade:         Ashley Giovengo         Sample Information           Phone:         55.998.0055         Somple Information         Somple Information <th>roject:</th> <th>Jagge Lak</th> <th>k sout</th> <th>h Slet 1</th> <th>POW 13</th> <th></th> <th></th> <th>EC</th> <th>110</th> <th>03(</th> <th>0</th> <th>130</th> <th>203.</th> <th>Cas</th> <th>R</th> <th></th> <th>X</th> <th></th>	roject:	Jagge Lak	k sout	h Slet 1	POW 13			EC	110	03(	0	130	203.	Cas	R		X	
itru, Sate, Zur, Carlisbal NM, 88220       Email: aptiovengo@ensolum.com       gr g	Tojecti	lanager. Asi	ney Glov	engo	51°1 m		NM, 88220	- 1							-			EDA Deserver
Initial adjourned       Difference       Differ				the life start of the second start of the seco			1.000.00.00	-	-		- 1	Ana	IYSIS	s and Method			1.1	
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Sample Information         No. of Sa				om		iviiscenarieous.			u l	ъ								Compliance Y or I
337       10124       511       1       55       29       4       21       X       1         338       30       22       X       1       1       1       1       1         337       31       23       X       1       1       1       1       1         347       31       23       X       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <		a							y 801	/ 801	Ţ		0.0	-	×	als		PWSID #
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338     30     22     X     1       347     31     23     X     1       344     32     24     X     1       347     33     25     X     1       347     35     27     X     1       343     36     25     X     1       343     36     25     X     1       1314     37     37     1     1       1314     37     36     1     1       1314     37     36     1     1       1314     37     36     1     1       1314     37     36     1     1       1314     37     1     1     1       1314     37     1     1     1       1314     37     1     1     1       1314     37     1     1     1       1314     37     1     1     1       1314     1     1     1     1       1314     1     1     1 </th <th></th> <th>Date Sampled</th> <th>Matrix</th> <th></th> <th></th> <th>Sample ID</th> <th>Field Filter</th> <th>Lab lumber</th> <th>DRO/O</th> <th>GRO/D</th> <th>BTEX b</th> <th>VOC by</th> <th>Chlorid</th> <th>BGDOC</th> <th>TCEQ 10</th> <th>RCRA 8</th> <th></th> <th>Remarks</th>		Date Sampled	Matrix			Sample ID	Field Filter	Lab lumber	DRO/O	GRO/D	BTEX b	VOC by	Chlorid	BGDOC	TCEQ 10	RCRA 8		Remarks
1337       31       23       1       1         1340       32       24       1       1       1         1340       32       24       1       1       1       1         1341       33       25       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	337	10/2/24	Soil	1	F	5 29 - 4'		21						X				
13+c       32       24       X       1         13+1       33       25       X       1         13+1       34       35       27       X       1         13+3       35       27       X       1       1         13+3       36       28       X       1       1         13+3       36       27       X       1       1         13+4       37+1       29       X       1       1       1         Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com	338					30		22						X				
341       33       25       X       1         1342       34       24       24       X       1         1343       35       27       X       1       1         1343       36       28       X       1       1         1344       36       28       X       1       1         1344       37       29       X       1       1         1344       37       36       28       X       1       1         1344       37       37       37       37       37       37       37         Kielditional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com       38       38       36	1339					31		23					1	X				
13.42       34       21e       X       1         13.43       35       27       X       1         13.43       36       26       X       1         13.43       36       26       X       1         13.44       36       26       X       1         13.44       36       26       X       1         13.44       37       29       X       1         Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com         , (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.         , (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.         , (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.         , (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.	1340					32		24						X				
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Date       Date       Time       Received by: (Signature)       Date       Time       Lab Use Only         elinAvished by: (Signature)       Date       Time       10.3.124       1005       C. J.       10.3.24       1730       Received on ice:       V       N         elinAvished by: (Signature)       Date       Time       Date       Time       Time       Time       Time       Time				Date	Time	Received by (Manature)	Carberto 13	hu	Time	35	-							
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ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	ample Ma	rix: S - Soil Sd - S	olid Se - Slu	dge A - Aque	ous O - Other		Conta	ner Typ	e:g-	glass	, p - 1	poly/r		and the second second			s, v - VOA	1
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 amples 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.	lote: Sam	ples are discard	led 14 days	after result	ts are reported un	less other arrangements are made. H	azardous samples w	ll be retu	urned	to clie	nt or	dispos	sed of	at the				rt for the analysis of the above

eceived	<i>by OCD: 11/7/2024 9:50:13 AM</i>	nvirotech	Analytica	l Laboratory	I	<i>Page 174 of 3</i> Printed: 10/4/2024 10:00:25AM
			• Receipt Cheo	•		
	: Please take note of any NO checkmarks.	-	-			
	e no response concerning these items within 24 hours of the					
Client:		ate Received:	10/04/24 08:00		Work Order ID:	E410036
Phone: Email:		ate Logged In: Jue Date:	10/03/24 16:36 10/10/24 17:00		Logged In By:	Raina Schwanz
Chain a	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC				
	samples dropped off by client or carrier?		Yes Yes	Comion Consist		
	the COC complete, i.e., signatures, dates/times, requester	d analyses?	Yes	Carrier: Courier		
	all samples received within holding time?	u anaryses:	Yes			
J. Weie a	Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	103		Commen	ts/Resolution
Sample '	Turn Around Time (TAT)					
6. Did th	e 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 th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re- minutes of sampling	eceived w/i 15	Yes			
	visible ice, record the temperature. Actual sample te	mperature: <u>4°</u>	<u>C</u>			
	<u>Container</u>					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?	a aallaatad9	Yes			
	appropriate volume/weight or number of sample container	s confected?	Yes			
	; field sample labels filled out with the minimum inform	nation:	¥7.			
	Sample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes Yes			
	Preservation		105			
_	the COC or field labels indicate the samples were pres	erved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved met	als?	No			

#### ..... ~ . ... . .

<u>Multiphase Sample Matrix</u>		
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 L
Client Instruction		

Lab: NA

Date



envirotech Inc.

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





5796 U.S. Hwy 64 Farmington, NM 87401

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





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## **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

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



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 reguarding 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com





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## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW 05 - 0 - 4'	5
SW 10 - 0 - 4'	6
SW 11 - 0 - 4'	7
SW 12 - 0 - 4'	8
SW 13 - 0 - 4'	9
SW 14 - 0 - 4'	10
SW 21 - 0 - 4'	11
QC Summary Data	12
QC - Volatile Organics by EPA 8021B	12
QC - Nonhalogenated Organics by EPA 8015D - GRO	13
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	14
QC - Anions by EPA 300.0/9056A	15
Definitions and Notes	16
Chain of Custody etc.	17

#### Sample Summary

		Sample Sum	mai y		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	Dagger Lake South 23003-0002	Slot 2 Reported:	
Dallas TX, 75240		Project Manager:	Ashley Giovengo		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.



	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ger Lake So 03-0002 ey Gioveng		ot 1 ROW to Slo	t 2	<b>Reported:</b> 10/10/2024 2:33:21PM
	S	W 05 - 0 - 4'					
		E410058-01					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	-	Analyst:	CG		Batch: 2441016
Benzene	ND	0.0250	1	l	10/08/24	10/09/24	
Ethylbenzene	ND	0.0250	1	l	10/08/24	10/09/24	
Toluene	ND	0.0250	1	l	10/08/24	10/09/24	
o-Xylene	ND	0.0250	1	l	10/08/24	10/09/24	
o,m-Xylene	ND	0.0500	1	l	10/08/24	10/09/24	
Total Xylenes	ND	0.0250	1	l	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	l	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	1	10/08/24	10/08/24	
Dil Range Organics (C28-C36)	ND	50.0	1	l	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	



Matador Resources, LLC.

Dallas TX, 75240

5400 LBJ Freeway, Suite 1500

## Sample Data

		E410058-02				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	A	nalyst: CG		Batch: 2441016
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/08/24	10/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	10/08/24	10/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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		96.7 %	50-200	10/08/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2441028
Chloride	274	20.0	1	10/08/24	10/08/24	

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	5	ampic D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 230	ger Lake South S 03-0002 ley Giovengo	lot 1 ROW to Slo	ot 2	<b>Reported:</b> 10/10/2024 2:33:21PM
	5	SW 11 - 0 - 4'				
		E410058-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys		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	Analys	st: 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	Analys	st: 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	Analys	st: JM		Batch: 2441028
Chloride	272	20.0	1	10/08/24	10/08/24	



	2	ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	ger Lake South S 03-0002 ley Giovengo	<b>Reported:</b> 10/10/2024 2:33:21PM		
	S	SW 12 - 0 - 4'				
		E410058-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
o,m-Xylene	ND	0.0500	1	10/08/24	10/09/24	
Fotal 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	Analys	t: 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	Analys	t: NV		Batch: 2441021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/24	10/08/24	
Dil 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	Analys	t: JM		Batch: 2441028
Chloride	140	20.0	1	10/08/24	10/08/24	

	~•							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	er: 2300	ger Lake South SI 03-0002	ot 1 ROW to Slo	ot 2	Reported:		
Dallas TX, 75240	Project Manag	er: Ash	ley Giovengo			10/10/2024 2:33:21PM		
	S	W 13 - 0 - 4'						
	-	E410058-05						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	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			
p-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	Analys	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	ed 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	Analys	: JM		Batch: 2441028		

20.0

99.8

Anions by EPA 300.0/9056A Chloride

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10/08/24

1

10/08/24

#### **Sample Data**

	D D		ucu			
Matador Resources, LLC.	Project Name	e	e	Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002	Reported:		
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			10/10/2024 2:33:21PM
	S	SW 14 - 0 - 4'				
		E410058-06				
		Reporting				
Analyte	Result	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	
p-Xylene	ND	0.0250	1	10/08/24	10/09/24	
o,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	Analy	rst: NV		Batch: 2441021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/24	10/08/24	
Dil 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	

mg/kg Analyst: JM mg/kg Anions by EPA 300.0/9056A 10/08/24 10/08/24 224 20.0 1 Chloride





Batch: 2441028

	b		ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	ger Lake South Sl )3-0002 ley Giovengo	<b>Reported:</b> 10/10/2024 2:33:21PM		
	S	SW 21 - 0 - 4'				
		E410058-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/08/24	10/09/24	
o,m-Xylene	ND	0.0500	1	10/08/24	10/09/24	
Fotal 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	Analys	t: 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	Analys	t: NV		Batch: 2441021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/24	10/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/08/24	10/08/24	
Surrogate: n-Nonane		95.2 %	50-200	10/08/24	10/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2441028
Chloride	91.0	20.0	1	10/08/24	10/08/24	



# **QC Summary Data**

		τ		ing Dut					
Matador Resources, LLC.		Project Name:	D	agger Lake So	outh Slot 1	ROW to S	Slot 2		Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	3003-0002					
Dallas TX, 75240		Project Manager:	Α	shley Gioveng	go		10/10/2024 2:33:21PM		
		Volatile O	rganics l	by EPA 802	21B				Analyst: CG
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441016-BLK1)							Prepared: 1	0/08/24 A	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: 1	0/08/24 A	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:	E410057-2	24	Prepared: 1	0/08/24 A	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:	E410057-2	24	Prepared: 1	0/08/24 A	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			
	7.02								



## **QC Summary Data**

			•		•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002	uth Slot 1	ROW to S	Slot 2		Reported:
Dallas TX, 75240		Project Manager		Ashley Gioveng	o				10/10/2024 2:33:21PM
	No	nhalogenated (	Organic	s by EPA 801	15D - G	RO			Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441016-BLK1)							Prepared: 1	0/08/24 A	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: 1	0/08/24 A	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: 1	0/08/24 A	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: 1	0/08/24 A	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**

		QU N		iary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002	outh Slot 1	ROW to S	Slot 2		Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	go				10/10/2024 2:33:21PM
	Nonh	alogenated Org	anics b	y EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441021-BLK1)							Prepared: 1	0/08/24 A	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: 1	0/08/24 A	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: 1	0/08/24 A	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: 1	0/08/24 A	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 Sc	outh Slot 1	ROW to S	Slot 2		Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	1	23003-0002					•
Dallas TX, 75240		Project Manager:		Ashley Gioveng	go				10/10/2024 2:33:21PM
		Anions	by EPA	300.0/9056A	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441028-BLK1)							Prepared: 1	0/08/24 A	nalyzed: 10/08/24
Chloride	ND	20.0							
LCS (2441028-BS1)							Prepared: 1	0/08/24 A	nalyzed: 10/08/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2441028-MS1)				Source:	E410057-2	27	Prepared: 1	0/08/24 A	nalyzed: 10/08/24
Chloride	272	100	250	ND	109	80-120			
Matrix Spike Dup (2441028-MSD1)				Source:	E410057-2	27	Prepared: 1	0/08/24 A	nalyzed: 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.



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**

	Clie	nt Inform	nation			Invoice Information				La	b Us	se On	ly			1	ТАТ			State	
lient: N	Aatador Proc	luction C	ompany	0	<u>C</u> c	ompany: Ensolum LLC		Lab	WO#	-	,	Job	Num	ber	2	1D 20	3D St	td	NM C	O UT	TX
roject:	Jaggers Lak	e south	Slot 1	HOW TO	2	ddress: 3122 National Parks H		E 4	-110	058	6	230	15	000	-			5	X		
Tojecti	Manager: As 3122 Natio	ney Glov	engo			ty, State, Zip: Carlsbad NM, 88 one: 575-988-0055	3220	-	-			A ===	lucio	and	Moth	bod		T	EDA	Drogra	m
	e, Zip: Carls	Sector and the sector of the				Email: agiovengo@ensolum.com			-		-	Ana	iysis	anu	wietr	ethod EPA Program					RCRA
	575-988-005		00220			Miscellaneous:												-		CUTA	nenz
	giovengo@e		om			scenaricous.			5	S								Co	mpliance	Y	or N
									V 801	V 801	-		0.0	v	×	als		PV	NSID #	-	
				Sampl	e Informat	ion	1		ROb	ROb	y 802	/ 826	le 30(	NN-2	1 - 500	3 Met		-			
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	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			R	emarks	1
046	10/04/24	Soil	1	Sk	1 05	- 0-41		1						×							
1053					10			2						×						_	
1054	- 14				11			3	-					×							
1054					12			4						×							
1056					13			5						×							
1056					14			6						×		_					
1107	4	1	L	1	21	Y		7						×							
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(field sam ampled by	pler), attest to the	e validity and	d authenticity o	of this sample.	. I am aware th	n, agiovengo@ensolum.com, c	ling the sa		n, date	or time				nsidere	d fraud	and may	1.00		61. T.		
the		unale.		and the second second	ime 08:15	Received by: (Signature)	S 10	>724	Time	181	5			sample		eived pack	ed in ice at a	n avg ter	be received or mp above 0 b		
	ed by: (Signaty		11-2	124	ime 1720	Received by: (Signature)		.7.24	Time 15	25	5			Rece	eived	on ice:	5	Use N	Only		
<u>MA</u>	ed by: (Signatu		Date	724	ime 1055	Received by: (Signature)		8.24	-	50	6			<u>T1</u>			<u>T2</u>	_	I	3	
	ed by: (Signatu		Date		ïme	Received by: (Signature)	Date	ta la cal	Time				alasti		Tem		4	_			
	rix: S - Soil, Sd - S					er arrangements are made. Hazardou:		tainer Typ							clien	er glass	e. The ren	ort for	the analys	is of the	above
						h this COC. The liability of the laborat									chen	expense	e. me rep	orcior	the analys	is of the	above

Page _____ of ____

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	ate Received:	10/08/24	05:00	Work Order ID:	E410058
Phone:	(972) 371-5200 Da	ate Logged In:	10/07/24	17:16	Logged In By:	Noe Soto
Email:		le Date:		17:00 (4 day TAT)		
Chain o	f Custody (COC)					
. Does 1	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comment	ts/Resolution
Sample '	Turn Around Time (TAT)					
	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
•	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are real		Yes			
13 Ifno	note: internal preservation is not required, it samples are re- minutes of sampling o visible ice, record the temperature. Actual sample tem		c			
		nperature. <u>+</u>	<u> </u>			
	<u>Container</u>		NI-			
	aqueous VOC samples present? VOC samples collected in VOA Vials?		No NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	· · · · · ·		NA			
	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?					
	*	aallaatad?	Yes Yes			
	e appropriate volume/weight or number of sample containers	confected?	res			
Field La		ation				
	e field sample labels filled out with the minimum inform. Sample ID?	ation.	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
Sample	Preservation					
21. Does	s the COC or field labels indicate the samples were prese	rved?	No			
22. Are s	sample(s) correctly preserved?		NA			
24. Is lał	b filteration required and/or requested for dissolved meta	ıls?	No			
Multiph	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyzed	d?	NA			
	tract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so					

Date



envirotech Inc.

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

•





5796 U.S. Hwy 64 Farmington, NM 87401

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





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**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 P

Page 194 of 396

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 reguarding 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW 20 - 0 - 4'	5
SW 01 - 0 - 4'	6
SW 03 - 0 - 4'	7
SW 07 - 0 - 4'	8
SW 19 - 0 - 4'	9
SW 06 - 0 - 4'	10
SW 08 - 0 - 4'	11
SW 04 - 0 - 4'	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

#### Sample Summary

		Sample Sum	mai y		
Matador Resources, LLC.		Project Name:	Dagger Lake South	Slot 1 to Slot 2	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		10/14/24 12:21
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 20 - 0 - 4'	E410086-01A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
SW 01 - 0 - 4'	E410086-02A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
SW 03 - 0 - 4'	E410086-03A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
SW 07 - 0 - 4'	E410086-04A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
SW 19 - 0 - 4'	E410086-05A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
W 06 - 0 - 4'	E410086-06A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
W 08 - 0 - 4'	E410086-07A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.
W 04 - 0 - 4'	E410086-08A	Soil	10/07/24	10/09/24	Glass Jar, 2 oz.



	Da	imple D	ala								
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Dagger Lake South Slot 1 to Slot 2Project Number:23003-0002Project Manager:Ashley Giovengo					<b>Reported:</b> 10/14/2024 12:21:13PM					
	S	W 20 - 0 - 4'									
	]	E410086-01									
Reporting											
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes					
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	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						
p-Xylene	ND	0.0250	1	10/09/24	10/10/24						
o,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	Analy	st: NV		Batch: 2441057					
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/24	10/10/24						
Dil 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	Analy	st: JM		Batch: 2441054					
Chloride	ND	20.0	1	10/09/24	10/09/24						



		ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 230	ger Lake South S 03-0002 ley Giovengo	lot 1 to Slot 2		<b>Reported:</b> 10/14/2024 12:21:13PM
	S	W 01 - 0 - 4'				
		E410086-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	10/09/24	10/10/24	
o,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	mg/kg Analyst: NV			Batch: 2441057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/24	10/10/24	
Dil 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	Analy	st: JM		Batch: 2441054
Chloride	167	20.0	1	10/09/24	10/09/24	



		impre D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	ger Lake South S 03-0002 ley Giovengo	lot 1 to Slot 2		<b>Reported:</b> 10/14/2024 12:21:13PM
	S	W 03 - 0 - 4'				
		E410086-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
p-Xylene	ND	0.0250	1	10/09/24	10/10/24	
o,m-Xylene	ND	0.0500	1	10/09/24	10/10/24	
Fotal Xylenes	ND	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	10/09/24	10/10/24	
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		100 %	70-130	10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2441057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/24	10/10/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/09/24	10/10/24	
Surrogate: n-Nonane		97.9 %	50-200	10/09/24	10/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2441054
Chloride	253	20.0	1	10/09/24	10/09/24	



	<b>D</b>	ampie D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Dagger Lake South Slot 1 to Slot 2Project Number:23003-0002Project Manager:Ashley Giovengo					<b>Reported:</b> 10/14/2024 12:21:13PM
	S	SW 07 - 0 - 4'				
		E410086-04				
Analyte	Result	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	
p-Xylene	ND	0.0250	1	10/09/24	10/10/24	
o,m-Xylene	ND	0.0500	1	10/09/24	10/10/24	
Fotal Xylenes	ND	0.0250	1	10/09/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: CG			Batch: 2441052
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	10/09/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2441057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/24	10/10/24	
Dil 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	Anal	yst: JM		Batch: 2441054
Chloride	324	20.0	1	10/09/24	10/09/24	



			ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Dagger Lake South Slot 1 to Slot 2Project Number:23003-0002Project Manager:Ashley Giovengo			ot 1 to Slot 2		<b>Reported:</b> 10/14/2024 12:21:13PM
	S	W 19 - 0 - 4'	,			
		E410086-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/09/24	10/10/24	
o,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 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	Analys	: JM		Batch: 2441054
Chloride	66.7	20.0	1	10/09/24	10/09/24	



	impic D	ucu			
Project Number: 23003-0002		03-0002	ot 1 to Slot 2		Reported:
Project Manag	er: Ash	ley Giovengo			10/14/2024 12:21:13PM
S	W 06 - 0 - 4'				
1	E410086-06				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	:: CG		Batch: 2441052
ND	0.0250	1	10/09/24	10/10/24	
ND	0.0250	1	10/09/24	10/10/24	
ND	0.0250	1	10/09/24	10/10/24	
ND	0.0250	1	10/09/24	10/10/24	
ND	0.0500	1	10/09/24	10/10/24	
ND	0.0250	1	10/09/24	10/10/24	
	90.2 %	70-130	10/09/24	10/10/24	
mg/kg	mg/kg	g Analyst: CG			Batch: 2441052
ND	20.0	1	10/09/24	10/10/24	
	99.5 %	70-130	10/09/24	10/10/24	
mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2441057
ND	25.0	1	10/09/24	10/10/24	
ND	50.0	1	10/09/24	10/10/24	
	103 %	50-200	10/09/24	10/10/24	
mg/kg	mg/kg	Analys	t: JM		Batch: 2441054
	Project Name: Project Numbe Project Manage S Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name: Dag   Project Number: 2300   Project Manager: Ashi   SW 06 - 0 - 4'   Result   E410086-06   Result Limit   mg/kg mg/kg   MD 0.0250   ND 20.0   gg/kg mg/kg   Mg/kg mg/kg   ND 25.0   ND 50.0   ND 50.0	Project Number: 23003-0002   Project Manager: Ashley Giovengo   SW 06 - 0 - 4'   E410086-06   E410086-06   Reporting   Result Limit Dilution   mg/kg mg/kg Analyst   ND 0.0250 1   ND 20.0 1   MD 20.0 1   MD 20.0 1   MD 25.0 1   ND 50.0 1   ND 50.0 1	Image result Dagger Lake South Slot 1 to Slot 2   Project Number: 23003-0002   Project Manager: Ashley Giovengo   SW 06 - 0 - 4'   Project Manager:   Result Dilution Prepared   SW 06.2050 1 10/09/24   ND 0.0250 1 10/09/24 0/09/24 0/09/24 0/09/24 0/09/24 0/09/24 0/09/24 0/09/24 0/09/24 0/09/24 0/09/24 0/09/24 0/09/24 0/09/24 0/09/24 <	Image: Lake South Slot 1 to Slot 2   Project Number: 23003-0002   Project Manager: Ashley Giovengo   SW 06 - 0 - 4'   E410086-06   Result Limit Dilution Prepared Analyzed   M2 M2 Analyzed M10/10/24 M10/10/24   MD 0.0250 1 10/09/24 10/10/24   ND 20.0 1 10/09/24 10/10/24   MD 20.0 1 10/09/24 10/10/24   MD 20



	2	ampic D	ucu			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	per: 230	ger Lake South Sl )3-0002 ley Giovengo	<b>Reported:</b> 10/14/2024 12:21:13PM		
	S	SW 08 - 0 - 4'				
		E410086-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/09/24	10/10/24	
o,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	g 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	Analys		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	Analys	t: JM		Batch: 2441054
Chloride	119	20.0	1	10/09/24	10/10/24	



	5	ampie D	aia			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Dagger Lake South Slot 1 to Slot 2Project Number:23003-0002Project Manager:Ashley Giovengo					<b>Reported:</b> 10/14/2024 12:21:13PM
	S	SW 04 - 0 - 4'				
		E410086-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: 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	
p-Xylene	ND	0.0250	1	10/09/24	10/10/24	
o,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	g 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	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	Analys	t: JM		Batch: 2441054
Chloride	326	20.0	1	10/09/24	10/10/24	



# **QC Summary Data**

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	agger Lake So 8003-0002 shley Gioveng		to Slot 2			<b>Reported:</b> 10/14/2024 12:21:13PM
,		Volatile Or			-				Analyst: CG
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes
Blank (2441052-BLK1)							Prepared: 1	0/09/24 A	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: 1	0/09/24 A	analyzed: 10/10/24
Benzene	5.25	0.0250	5.00		105	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
o-Xylene	5.12	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			
Matrix Spike (2441052-MS1)				Source:	E410086-	03	Prepared: 1	0/09/24 A	analyzed: 10/10/24
Benzene	5.24	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133			
Toluene	5.17	0.0250	5.00	ND	103	61-130			
o-Xylene	5.07	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			
Matrix Spike Dup (2441052-MSD1)				Source:	E410086-	03	Prepared: 1	0/09/24 A	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**

		$\mathbf{v} \mathbf{v} \mathbf{v}$	~~~~	ary Data	~				
Matador Resources, LLC.Project Name:Dagger Lake South Slot 1 to Slot 25400 LBJ Freeway, Suite 1500Project Number:23003-0002						to Slot 2			Reported:
Dallas TX, 75240		Project Manager:	1	Ashley Gioveng	0				10/14/2024 12:21:13PM
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441052-BLK1)							Prepared: 1	0/09/24 A	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: 1	0/09/24 A	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: 1	0/09/24 A	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: 1	0/09/24 A	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**

		QC D	u 11111	ary Data						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Dagger Lake Sc 23003-0002 Ashley Gioveng		to Slot 2			<b>Reported:</b> 10/14/2024 12:21:13PM	
	Nonh	alogenated Org	anics b	y EPA 8015I	) - 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 (2441057-BLK1)							Prepared: 1	0/09/24 A	Analyzed: 10/09/24	
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0								
Surrogate: n-Nonane	49.3		50.0		98.5	50-200				
LCS (2441057-BS1)							Prepared: 1	0/09/24 A	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: 1	0/09/24 A	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: 1	0/09/24 A	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**

		L L		J					
Matador Resources, LLC.		Project Name:		Dagger Lake Sc	outh Slot 1	to Slot 2			Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		23003-0002					•
Dallas TX, 75240		Project Manager:		Ashley Gioveng	go				10/14/2024 12:21:13PM
		Anions	by EPA	300.0/9056A	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441054-BLK1)							Prepared: 1	0/09/24	Analyzed: 10/09/24
Chloride	ND	20.0							
LCS (2441054-BS1)							Prepared: 1	0/09/24	Analyzed: 10/09/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2441054-MS1)				Source:	E410085-	05	Prepared: 1	0/09/24	Analyzed: 10/09/24
Chloride	703	20.0	250	439	106	80-120			
Matrix Spike Dup (2441054-MSD1)				Source:	E410085-	05	Prepared: 1	0/09/24	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.



Γ	Matador Resources, LLC.	Project Name:	Dagger Lake South Slot 1 to Slot 2	
L	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**

Client Information			Invoice Inform	nation		Lab Use Only								TAT	9	State		
	Matador Prod				Address: 3122 National Parks Hwy				#			Num			1D 2	D 3D St	d NM CO	UT TX
	Dagger 1			slot2.					086	2	230	003	-00	02		X		
	Manager: As			SUTC	City, State, Zip: Carlsbad	NM, 88220		_										
	3122 Natio				Phone: 575-988-0055	1.1.5		-	-	-	Ana	lysis	and	Met	hod		EPA Pr	
	te, Zip: Carls 575-988-005		88220		Email: agiovengo@enso Miscellaneous:	olum.com	-										SDWA CW	A RCRA
	giovengo@e		om		wiscellaneous.			10									Compliance	Y or
								8015	801	1		0	-	~	5		PWSID #	
	2			Sample In	nformation			KO by	to by	8023	8260	300	- NM	(1 - SI	8 Metals			
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	Lab Numb	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8		Rem	arks
1005	10/7/24	SOT	1		SW 20-0-41		1						X					
1052	1	1	1		1011		2						X					
1056					03		3						X					
1101					07		4						X					
1147					19		5						X					
1159					04		6						X					
1200					08		7						X					
1321	V	U	L	J.L	109 V		8						X					
				1	+													
Addition	nal Instructio	ons: Plea	ase CC: cb	ourton@ensol	um.com, agiovengo@ensolum	com, chamilto	on@en	solum.	com,	iestr	rella@	Dens	solum	n.con	n			
(field sam ampled by	pler), attest to th	e validity and	authenticity	of this sample. I ar	m aware that tampering with or intentional	y mislabeling the sa	ample loca	ation, dat	e or tim	e of co	ollection	n is cor	nsidere	ed frau	d and m	ay be grounds	for legal action.	
elinquist	ed by: (Signatu	re)	Date	18/24 Time	Received by: (Signature)	nenleo ID	8-24	Time C	52	1		10	sample		ceived pa		must be received on ice avg temp above 0 but les	
Relinquist	hele G	re) ongali	es 10	-8:24 Time		Date		Tim	9						l on ice	-	Use Only N	
telinquist	ied by: (Signatu	re)	Date	Time	Received by (Signature)	P Date	-9-24	I O	800	C			<u>T1</u>			<u>T2</u>	<u></u> <u>T3</u>	
11	ed by: (Signatu	5	Date /C		45 Received by: (Signature)		0.8.2	11	17	20					np °C_	4	_	
	rix: S - Soil, Sd - S				nless other arrangements are made. H											s, v - VOA	rt for the analysis o	f the above
					ratory with this COC. The liability of th									e ener	exper	ser merepo		. Sie above

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

ructions: Please take note of any No		•	Checklist (SRC		nested	
Client: Matador Resources, LLC.	Date Received:	10/09/24	-	iyzeu as req	Work Order ID:	E410086
Phone: (972) 371-5200						Noe Soto
Email: agiovngo@ensolum.com	Date Logged In Due Date:		4 17:00 (4 day TAT)		Logged In By:	100 3010
agiovingo@ensorum.com	Due Date.	10/15/2-	+ 17.00 (+ uay 1A1)			
Chain of Custody (COC)						
. Does the sample ID match the C	OC?	Yes				
2. Does the number of samples per	sampling site location match the COC	Yes				
8. Were samples dropped off by clie	ent or carrier?	Yes	Carrier: C	ourier		
. Was the COC complete, i.e., sign	atures, dates/times, requested analyses?	Yes				
	holding time? which should be conducted in the field, e not included in this disucssion.	Yes			<u>Commen</u>	ts/Resolution
Sample Turn Around Time (TAT)						
5. Did the COC indicate standard T		Yes				
Sample Cooler						
7. Was a sample cooler received?		Yes				
3. If yes, was cooler received in go	od condition?	Yes				
9. Was the sample(s) received intac	t, i.e., not broken?	Yes				
0. Were custody/security seals pre	sent?	No				
1. If yes, were custody/security se	als intact?	NA				
Note: Thermal preservation	yes, the recorded temp is 4°C, i.e., 6°±2°C is not required, if samples are received w/i 15	Yes				
minutes of sampling	perature. Actual sample temperature:	100				
	perature. Actual sample temperature.	<u>+ C</u>				
Sample Container	comt?	Ν.				
<ul><li>4. Are aqueous VOC samples pres</li><li>5. Are VOC samples collected in ³</li></ul>		No NA				
.6. Is the head space less than 6-8 1		NA				
		NA				
7. Was a trip blank (TB) included	-					
8. Are non-VOC samples collecte	or number of sample containers collected?	Yes				
	or number of sample containers collected?	Yes				
Field Label	out with the minimum information:					
Sample ID?	sut with the minimum information.	Yes				
Date/Time Collected?		Yes				
Collectors name?		Yes				
Sample Preservation						
21. Does the COC or field labels in	dicate the samples were preserved?	No				
22. Are sample(s) correctly preserv	ed?	NA				
24. Is lab filteration required and/or	requested for dissolved metals?	No				
Multiphase Sample Matrix						
26. Does the sample have more that	n one phase, i.e., multiphase?	No				
27. If yes, does the COC specify w	hich phase(s) is to be analyzed?	NA				
Subcontract Laboratory						
28. Are samples required to get sen	t to a subcontract laboratory?	No				
29. Was a subcontract laboratory sp	ecified by the client and if so who?	NA	Subcontract Lab	: NA		
<b>Client Instruction</b>						

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



envirotech Inc.

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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 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

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



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 reguarding 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com





Page 213 of 396

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# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH01 - 15'	5
BH01 - 16'	6
BH05 - 15'	7
BH05 - 17'	8
QC Summary Data	9
QC - Volatile Organic Compounds by EPA 8260B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

		Sample Sum	mai y		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	Dagger Lake South 23003-0002 Ashley Giovengo	Slot 1 ROW to S	lot 2 <b>Reported:</b> 10/17/24 09:19
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 - 15'	E410107-01A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH01 - 16'	E410107-02A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH05 - 15'	E410107-03A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.
BH05 - 17'	E410107-04A	Soil	10/09/24	10/11/24	Glass Jar, 2 oz.



	0	ampie D	uua			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 2300	ger Lake Sout 03-0002 ley Giovengo	n Slot 1 ROW to Slo	ot 2	<b>Reported:</b> 10/17/2024 9:19:30AM
		BH01 - 15'				
		E410107-01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	
p-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	An	alyst: 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/OR	o mg/kg	mg/kg	An	alyst: NV		Batch: 2441115
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/13/24	
Dil 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	An	alyst: WF		Batch: 2441116
Chloride	4970	40.0	2	10/11/24	10/16/24	


# Sample Data

	~	ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	per: 2300	ger Lake S )3-0002 ley Gioven	<b>Reported:</b> 10/17/2024 9:19:30AM			
		BH01 - 16'					
		E410107-02					
Analyte	Result	Reporting Limit	Dil	ution	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	
p-Xylene	ND	0.0250		1	10/11/24	10/15/24	
o,m-Xylene	ND	0.0500		1	10/11/24	10/15/24	
Fotal 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	
Dil 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

		ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	ger Lake S 03-0002 ley Giover	<b>Reported:</b> 10/17/2024 9:19:30AM			
		BH05 - 15'					
		E410107-03					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy		: 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	
o,m-Xylene	ND	0.0500		1	10/11/24	10/15/24	
Fotal 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	
Dil 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

		ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	ger Lake S )3-0002 ley Giover	<b>Reported:</b> 10/17/2024 9:19:30AM			
		BH05 - 17'					
		E410107-04					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	ig An		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	
p-Xylene	ND	0.0250		1	10/11/24	10/15/24	
o,m-Xylene	ND	0.0500		1	10/11/24	10/15/24	
Fotal 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	23	ngger Lake Sou 003-0002 hley Giovengo		ROW to S	Slot 2	10/	<b>Reported:</b> 17/2024 9:19:30AM
		Analyst: BA							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441107-BLK1)							Prepared: 1	0/11/24 Anal	yzed: 10/15/24
Benzene	ND	0.0250							·
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.582	0.0200	0.500		116	70-130			
			0.500		93.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467								
Surrogate: Toluene-d8	0.546		0.500		109	70-130			
LCS (2441107-BS1)							Prepared: 1	0/11/24 Anal	yzed: 10/16/24
Benzene	2.77	0.0250	2.50		111	70-130			
Ethylbenzene	2.61	0.0250	2.50		104	70-130			
Foluene	2.67	0.0250	2.50		107	70-130			
p-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: I	E <b>410108-</b> (	01	Prepared: 1	0/11/24 Anal	yzed: 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: I	E410108-(	01	Prepared: 1	0/11/24 Anal	yzed: 10/16/24
Benzene	2.76	0.0250	2.50	ND	111	48-131	1.42	23	<u></u>
Ethylbenzene	2.70	0.0250	2.50	ND	109	45-131	4.78	23	
•	2.72			ND	109	45-135 48-130		27	
Toluene		0.0250	2.50				2.88		
p-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			
			0.500		108	70-130			



# **QC Summary Data**

		QC DI	umm	iary Data	a					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Dagger Lake South Slot 1 ROW to Slot 2 23003-0002 Ashley Giovengo				<b>Reported:</b> 10/17/2024 9:19:30AN		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2441107-BLK1)							Prepared: 1	0/11/24	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: 1	0/11/24	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	l	Prepared: 1	0/11/24	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	l	Prepared: 1	0/11/24	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**

		<b>τ</b> υ ν	••••••	iary Dau	~				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	BJ Freeway, Suite 1500 Project Number: 23003-0002								
Danas IX, 75240		Project Manager	•	Ashley Gioveng	0				10/17/2024 9:19:30AM
	Nonha	alogenated Org	ganics b	y EPA 8015D	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441115-BLK1)							Prepared: 1	0/11/24 A	nalyzed: 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: 1	0/11/24 A	nalyzed: 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: 1	0/11/24 A	nalyzed: 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: 1	0/11/24 A	nalyzed: 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 Sc	outh Slot 1	ROW to S	Slot 2		Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	1	23003-0002					•
Dallas TX, 75240		Project Manager:	: .	Ashley Gioveng	go				10/17/2024 9:19:30AM
		Anions	by EPA	300.0/9056A	4				Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441116-BLK1)							Prepared: 1	.0/11/24 A	nalyzed: 10/12/24
Chloride	ND	20.0							
LCS (2441116-BS1)							Prepared: 1	0/11/24 A	nalyzed: 10/12/24
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2441116-MS1)				Source:	E410107-	03	Prepared: 1	0/11/24 A	nalyzed: 10/15/24
Chloride	1180	20.0	250	1010	68.7	80-120			M4
Matrix Spike Dup (2441116-MSD1)				Source:	E410107-	03	Prepared: 1	0/11/24 A	nalyzed: 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.



	Demitions		
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.



#### **Chain of Custody**

	Clier	nt Inform	ation			Invoice Inform	ation	Lab Use C						se Only TA						State
	Aatador Prod				Com	npany: Ensolum LLC			Lab	WO#	-		Job N	umb	ber	-	1D 20	3D St	d NM C	O UT TX
roject:	Daggerlak	e south	L Slot 1	- POW to	Address: 3122 National Parks Hy				_ E 4	410	10	7.	Job N	23.	000	2		X		
	Manager: Asl			S10+2.		, State, Zip: Carlsbad N	IM, 88220		_	-					200	-				
1	3122 Nation				1000	ne: 575-988-0055		-	_	-	-	_	Anal	ysis	and M	/leth	od	1		Program
	e, Zip: Carls		88220			ail: agiovengo@enso cellaneous:	lum.com	-	-										SDWA	CWA RCRA
	giovengo@e		om		IVIISC	enaneous.					10								Compliance	Y or N
indin d	horen hoc e						-	2		801	801			0		~	5		PWSID #	1.1-1-1
_				Sample Info	ormatio	n				to by	vd Oi	8021	8260	300	WN-	1	Meta			
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Elo A	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		R	emarks
1411	10/9/24	501	1		BH	101-151			1						X					
1418		1	1		BH	101-161			2						χ					
1510					BH	105-151			3						X					
1521	$\checkmark$	V	1		BH	105-171			4			_			X				-	
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			ise CC: cb	urton@ensolun	n.com, a	agiovengo@ensolum.o	com, iestre	ella@	ensolur	n.con	n, bd	eal@	Penso	lum	.com	cha	milton	@ensolu	m.com,	
	ns@ensolum		authenticity	of this sample. I am a	ware that	tampering with or intentionally	mislabeling th	ne sam	ple location	n, date	or time	e of col	llection	is con	siderec	fraud	and may	be grounds	for legal action.	
ampled by			Date			n	- Le	Dete		17.000					Complex	en avriet			must be received on	ice the doublest are
elinquisr	ed by: (Signatur		Date	110/24 9=	nt	Received by: (Signature)		Date	0-24	Time	90	1					-		avg temp above 0 bu	
elinquish	ed by (Signatur	re)	Date	Time	-	Received by: (Signature)		Date	UPI	Time					subseau	ent dav	15	Lab	Use Only	
	helle G	18	09 10-1	0.24 150	0	L.H.		10.	10.24		70	0			Rece	ved	on ice:	DI		
eliAquist	ed by: (Signatur	e)	Date	Time	-	Received by: (Signature)	1	Date	11711	Time								-		
¥.J			10.	18.24 23	5151	Bull Th		10.1	129	-	;OC	/		-	<u>T1</u>	-		<u>T2</u>	I.	3
elinquish	ed by: (Signatur	re)	Date	Time		Received by: (Signature)		Date		Time					AVC	Tom	°C	4		
ample Ma	rix: S - Soil, Sd - Se	olid, Sg - Sluc	lge, A - Aqueo	ous, <b>O</b> - Other				Conta	ainer Typ	e: g -	glass,	, p - p	poly/p		AVG			v - VOA	T	
					ss other a	arrangements are made. Ha								10000	20.00				rt for the analys	is of the above

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Chain of Clustedy (COC)	
Email:       agiorapo@emodum.com       Due Due:       19/17/24 17:00 (4 day TAT)            I.Does the sample (D) match the COC?        Yes        See the sample (D) match the COC?        Yes          2. Were at amples of opped of I's pointer carrier?        Yes        Yes        Carrier: Courier          4. We the COC complete, i.e, signatures, data/times, requested analyses?        Yes        Carrier: Courier          5. Were at amples received within holding time? <ul> <li>the faith inter holding energies</li> <li>the sample cooler received inter holding inters</li> <li>the sample cooler received inter holding inters</li> <li>the sample cooler received inter holding energies</li> <li>the sample cooler received inter holding inters</li> <li>the sample cooler received inter holding energies</li> <li>the sample second on iss? Type, the recordent energies are received with 15             <ul> <li>the sample second on iss? Type, the recordent energies are received with 15             <li>minute of sample second on the dampes are neceived on iss?</li> <li>the angle sample second on iss? Type, the r</li></li></ul></li></ul>	
Chain of Custedy (COC)	
1. Does the sample ID match the COC?     Yes       2. Does the number of samples per sampling sile location match the COC     Yes       3. Were samples dropped off by client or carrier?     Yes       4. Was the COC completer, i.e., signatures, dates/times, requested analyses?     Yes       5. Were all samples received within holding time?     Yes       5. Were all samples received within holding time?     Yes       5. More Analysis, such ang bit which hould be conduced in the field, i.e., 15 minute hold time, are not included in this discussion.     Yes       5. More Conditionation of the COC indicate standard TAT, or Expedited TAT?     Yes       8. If yes, was cooler received?     Yes       9. Was the sample (yor cervid ning of unct, i.e., not horken?     Yes       10. Were custed/y/security seals present?     No       11. If yes, were custed/y/security seals intact?     No       12. Was the sample icoler the temperature. Actual sample temperature: 4°C     Sample Coultier       5. More Samples outleted in VOA Vala?     NA       14. Are aquecos VOC samples collected in the correct containers?     Yes       13. If no visible ice, record the temperature. Actual sample temperature: 4°C     Sample Coultier       14. Are aquecos VOC samples collected in the correct containers?     Yes       15. Are VOC samples collected in the correct containers?     Yes       16. Is the adappee labels filled out with the minimum informatice:     Sample Coulti	
<ul> <li>2. Does the number of samples per sampling site location match the COC Yes</li> <li>3. Were samples dropped off by elient or carrie?</li> <li>4. Was the COC complete, i.e., signatures, dates/stimes, requested analyses?</li> <li>5. Were all samples received within holding time?</li> <li>Nex Analysis, such as phy which should be conduced in the field, i.e., 15 minure hold time, are not included in this dissession.</li> <li>5. More all amples received within holding time?</li> <li>Yes</li> <li>Sample Cooler received?</li> <li>Yes</li> <li>6. Did the COC indicate standard TAT; or Expedited TAT?</li> <li>Yes</li> <li>8. If yes, was cooler received?</li> <li>Yes</li> <li>9. Was the sample (c) received? instat, i.e., on throken?</li> <li>Yes</li> <li>New causdoy/security seals intact?</li> <li>NA</li> <li>11. If yes, was cooler received in good condition?</li> <li>Yes</li> <li>New causdoy/security seals intact?</li> <li>NA</li> <li>12. Was the sample received on iso? If yes, the recorded tamp is 4°C, i.e., 6°±2°C</li> <li>NA</li> <li>13. If no visible ice, record the temperature. Actual sample temperature: 4°C</li> <li>Sample Contert</li> <li>14. Are aqueous VOC samples resent?</li> <li>NA</li> <li>15. Are VOC samples collected in VOA Vials?</li> <li>NA</li> <li>16. Is the head gave less than 6-8 mm (per sized or less)?</li> <li>NA</li> <li>18. Are non-VOC samples collected in VOA Vials?</li> <li>NA</li> <li>19. Is the appropriate volume/weight or number of sample containers collected?</li> <li>Yes</li> <li>Collections mane?</li> <li>Yes</li> <li>Conterter?</li> <li>NA</li> <li>17. Was trip blank (TB) included for VOC analyses?</li> <li>NA</li> <li>18. Are non-VOC samples collected in the correct containers?</li> <li>Yes</li> <li>Collectors field labels indicate the samples were preserved?</li> <li>NA</li> <li>20. Are sample labels filled out with the minimum information:</li> <li>Collectors field labels indicate the samples were preserved?</li> <li>NA</li> <li>21. Does the COC or field labels indicate the sa</li></ul>	
<ul> <li>Were samples dropped off by client or carrier?</li> <li>Yes</li> <li>Wase the COC complete, i.e., signatures, dutes/times, requested analyses?</li> <li>Yes</li> <li>Note: Analysis, such as pH which should be conducted in the field, i.e., i5 munite hold inte, ere not included in the field, i.e., for mune hold mee, if discussion.</li> <li>Sample Cooler</li> <li>Yes a sample cooler received?</li> <li>Nas the sample cooler fore sample containers collected?</li> <li>Nas the sample labe</li></ul>	
<ul> <li>4. Was the COC complete, i.e., signatures, datestimes, requested analyses? Yes Not: Analysis, such as per Much should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.</li> <li>5. Wore and Standard TAT. OF Expedited TAT? Yes</li> <li>5. More Could Could That, i.e., not broken? Yes</li> <li>9. Was the sample color received? If yes, the recorded temp is 4°C, i.e., 6°=2°C Yes Not: Analysis, and as persent? No</li> <li>10. Were custody/security seals intact? NA</li> <li>11. If yes, were custody/security seals intact? NA</li> <li>12. Was the sample color the temperature. Actual sample temperature: 4°C Samples collected in two Avias? NA</li> <li>13. If no visible ice, record the temperature. Actual sample temperature: 4°C Samples collected in two Avias? NA</li> <li>14. Are aqueous VOC samples collected in the minimum information: Sample ID? In the dat for VOC analyses? NA</li> <li>15. Is the head space less than 6-8 mm (pea sized or less)? NA</li> <li>16. Is the head space less than 6-8 mm (pea sized or less)? NA</li> <li>17. Was a trip blank (TB) included for VOC analyses? NA</li> <li>18. Are non-VOC samples collected in the orient containers? Yes Date: Time Collector? Yes Collectors name? Yes Collectors</li></ul>	
<ul> <li>S. Were all samples received within holding time? Yes Note: Analysis, such as pH which should be conducted in the field, i.e. if simule hold ince, are not included in the field, i.e. if simule hold ince, are not included in the disdussion.</li> <li>Sample Coler received? Yes</li> <li>S. Mare asomple cooler received? Yes</li> <li>Was the sample(s) received intact, i.e., not broken? Yes</li> <li>Was the sample(s) received intact, i.e., not broken? Yes</li> <li>Note: Thermal preservation is not required, if samples are received with 15 minutes of sample or required to required if samples are received with 15 minutes of samples reserved? No</li> <li>13. If no visible ice, record the temperature. Actual sample temperature: 4°C</li> <li>Samue Container</li> <li>14. Are aqueous VOC samples collected in VOA Vials? NA</li> <li>15. Are VOC samples collected in VOA Vials? NA</li> <li>16. Is the head space less than 6-8 mm (pea sized or less)? NA</li> <li>17. Was a trip blank (TB) included for VOC analyses? NA</li> <li>18. Are non-VOC samples collected of vOA chails? Yes</li> <li>Dater Time Collected? Yes</li> <li>Collectors name? Yes</li> <li>Sample ID? Yes</li> <li>Collector required and/or requested for dissolved metals? No</li> <li>20. Were field sample labels filled out with the minimum information: Sample loc) or required and/or requested for dissolved metals? No</li> <li>21. Does the COC or field labels indicate the samples were preserved? No</li> <li>22. Are sample(s) correctly preserved? No</li> <li>23. Are sample have more than one phase, i.e., multiphase? No</li> <li>24. Are angues the COC or field habes indicate the samples were preserved? No</li> <li>25. Are sample have more than one phase, i.e., multiphase? No</li> <li>27. Are sample for Yes</li> <li>28. Are sample required to get sent to a subcontract laboratory? No</li> </ul>	
Note: Analysis, such as pill which shoulded in the field,       Immethad furm, are not included in this dissussion.         Sample Curr. Around Time (TAT)       Yes         6. Did the COC indicate standard TAT, or Expedited TAT?       Yes         7. Was a sample cooler received?       Yes         8. if yes, was cooler received in good condition?       Yes         9. Was the sample (specived in tact, 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 will 15       minutes of sampling         13. Iro visible to; record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples collected in VOA Vials?       NA         15. Are VOC samples collected in tOA 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?       Yes         Collectors name?       Yes         Collectors name?       Yes         20. Were field sample labels filled out with the minimum information:       Sample COC     <	
6. Did the COC indicate standard TAT, or Expedited TAT?       Yes       Visible whiteout on COC by client.         Sample Cooler       *         7. Was a sample cooler received?       Yes         8. If yes, was cooler received in good condition?       Yes         9. Was the sample cooler received in tatc, i.e., not broken?       Yes         10. Were custody/security seals intact?       NA         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         Mote: Thermal preservation is not required, if samples are received wit 15       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4°C}{2}$ 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 black (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected!       res         20. Were field sample labels filled out with the minimum information:       Yes         Sample TOC:       Yes         21. Joes the COC or field labels indicate the samples were preserved?       No         21. Are sample(s) corcetly preserved?       Na	
Sample Cooler       Yes         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 intact?       No         11. If yes, were custody/security seals intact?       No         12. Was the sample received on ice? If yes, the reorded temp is 4°C, i.e., 6°42°C       Yes         Notice intermoder temperature.       Actual sample are received wilds         minutes of sampling       13. If no visible ice, record the temperature.       Actual sample temperature: 4°C         Sample Cooleratiner       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?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         Date/Time Collected?       Yes         Collectord?       Yes         Collectors name?       Yes         24. Are sample(s) correctly preserved?       No         24. Is lab filteration required and/or requested for dissolved metals?	
7. Was a sample cooler received:       Yes         8. If yes, was cooler received in god condition?       Yes         9. Was the sample(s) received intact, i.e., not broken?       Yes         0. Ware custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received in is or cequired, if samples are received wii 15 minutes of sampling       Yes         13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4^{\circ}C}{2^{\circ}}$ Yes         Sample Container       No         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         Collectors name?       Yes         Collector sample       Yes         Sample ID?       Yes         Collectors name?       Yes         Collectors name?       Yes         Collectors name?       No         21. Dess the COC or field labels indicate the samples were preserved?       No </td <td></td>	
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 ie? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling       Yes         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Yes         Sample Container       No         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         Pield Label       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample Dreservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample (s) correctly preserved?       No         23. Are sample Matrix       No         24. Is lab filteration required and/or requested for di	
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 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 Collectors name? Yes Collectors name? Yes 21. Does the COC or field labels indicate the samples were preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Ones the COC specify which phase(s) is to be analyzed? NA 27. If yes, does the COC specify which phase(s) is to be analyzed? NA 28. Are sample to get sent to a subcontract laboratory? No	
10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ie? If yes, the recorded temp is 4°C, i.e., 6°42°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         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Sample tD?         Sample Treevration       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         21. Does the COC or field labels indicate the sample were preserved?       No         21. Does the COC or field labels indicate the sample were preserved?       No         21. Does the COC or field labels indicate the samples were preserved?       No         21. Are sample(s) correctly preserved?       Na         24. Is lab filteration required and/or	
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: <u>4°C</u> Sample Container         14. Are aqueous VOC samples collected in VOA Vials?       NA         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         20. Were field sample labels filled out with the minimum information:       Sample Time Collected?         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         26. Does the COC specify which phase(s) is to be analyzed?       NA         26. Does the COC specify which phase(s) is to be analyzed?       Na         26. Does the COC specify which phase(s) is to be anal	
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       Yes         Note: Thermal preservation is not required, if samples are received w/i 15       Yes         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         Pietd Label       Yes         20. Were field sample labels filled out with the minimum information:       Sample TiP?         Sample TiP?       Yes         Collectors name?       Yes         Sample file?       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       Na         24. Is lab filteration required and/or requested for dissolved metals?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       Na         Subcontract Laboratory       Na         28. Are samp	
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         Field Label       Yes         0. Were field sample labels filled out with the minimum information:       Sample ID?         Sample COL or field labels indicate the samples were preserved?       No         21. Does the COC or field labels indicate the samples were preserved?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       Na         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         71. If yes, does the COC specify which phase(s) is to be analyzed?       Na	
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 on number of sample containers collected?       Yes         19. Is the appropriate volume/weight on number of sample containers collected?       Yes         10. Were field sample labels filled out with the minimum information:       Sample ID?         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       Na         24. Is lab filteration required and/or requested for dissolved metals?       No         25. Does the sample Matrix       So         26. Does the sample Matrix       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       Na <b>Multiphase Sample Matrix</b> No         26. Does the sample have more than one pha	
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       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       Xo         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         28. Are samples required to get sent to a subcontract laboratory?       No	
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         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         28. Are samples required to get sent to a subcontract laboratory?       No	
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Field Label         Field Label         20. Were field sample labels filled out with the minimum information:         Sample ID?         Date/Time Collected?         Collectors name?         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 filteration required and/or requested for dissolved metals?         No         25. 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?	
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Sample Preservation21. Does the COC or field labels indicate the samples were preserved?No22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample Matrix	
21. Does the COC or field labels indicate the samples were preserved?No22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample Matrix	
22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample Matrix	
24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       26. Does the sample have more than one phase, i.e., multiphase?       No         26. Does the core specify which phase(s) is to be analyzed?       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       No	
Multiphase Sample Matrix26. Does the sample have more than one phase, i.e., multiphase?No27. If yes, does the COC specify which phase(s) is to be analyzed?NASubcontract Laboratory27. If yes, does the coc specify which phase(s) is to be analyzed?28. Are samples required to get sent to a subcontract laboratory?No	
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       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	
Subcontract Laboratory         28. Are samples required to get sent to a subcontract laboratory?       No	
28. Are samples required to get sent to a subcontract laboratory? No	
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	

Date

envirotech Inc.

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





5796 U.S. Hwy 64 Farmington, NM 87401

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





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**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

Matador Resources, LLC.

Project Name:	Dagger Lake South Slot 1 ROW to Slot 2
Work Order:	E410145
Job Number:	23003-0002
Received:	10/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/21/24

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: 10/21/24

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



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 reguarding 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com





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# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS38 - 4'	6
FS39 - 4'	7
FS40 - 4'	8
FS41 - 4'	9
FS42 - 4'	10
FS43 - 4'	11
FS44 - 4'	12
FS45 - 4'	13
FS46 - 4'	14
FS47 - 4'	15
FS48 - 4'	16
FS49 - 4'	17
FS50 - 4'	18
FS51 - 4'	19
FS52 - 4'	20
FS53 - 4'	21
FS54 - 4'	22
FS55 - 4'	23
FS56 - 4'	24
FS57 - 4'	25

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# Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

#### Sample Summary

		Sample Sum	mai y		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	Dagger Lake South 23003-0002 Ashley Giovengo	Slot 1 ROW to	Slot 2 Reported: 10/21/24 12:56
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
'S38 - 4'	E410145-01A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S39 - 4'	E410145-02A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S40 - 4'	E410145-03A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
'S41 - 4'	E410145-04A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
'S42 - 4'	E410145-05A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S43 - 4'	E410145-06A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S44 - 4'	E410145-07A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S45 - 4'	E410145-08A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S46 - 4'	E410145-09A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S47 - 4'	E410145-10A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
'S48 - 4'	E410145-11A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S49 - 4'	E410145-12A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S50 - 4'	E410145-13A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
'S51 - 4'	E410145-14A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S52 - 4'	E410145-15A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
'853 - 4'	E410145-16A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S54 - 4'	E410145-17A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
855 - 4'	E410145-18A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
S56 - 4'	E410145-19A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.
857 - 4'	E410145-20A	Soil	10/10/24	10/15/24	Glass Jar, 2 oz.



Dallas TX, 75240         Project Manager:         Ashley Giovengo         10/21/2024           FS38 - 4' E410145-01           Reporting Analyte         Reporting Reporting           Analyte         Result         Limit         Dilution         Prepared         Analyzed         Notes           Volatile Organics by EPA 8021B         mg/kg         mg/kg         Analyst: BA         Batch: 244           Benzene         ND         0.0250         1         10/15/24         10/18/24           Ethylbenzene         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         0.0250         1         10/15/24         10/18/24           Surrogate: 4-Bromochlorobenzene-PID         100 %         70-130         10/15/24         10/18/24           Surrogate: 1-Chloro-4-fluorobenzene-FID         93.6 %         70-130         10/15/24         10/18/24           Nonhalogenated Organics (C6-C10)         ND         20.0         1         10/18/24         10/18/24           Surrogate: 1-Chloro-4-fluorobenzene-FID         93.6 %         70-130         10/15/24         10/18/24		G	ample D	ala			
E410145-01           Reporting           Analyte         Result         Limit         Dilution         Prepared         Analyzed         Notes           Volatile Organics by EPA 8021B         mg/kg         mg/kg         Analyst: BA         Batch: 244           Benzene         ND         0.0250         1         10/15/24         10/18/24         Edith/Benzene         ND         Scoregate: 4-Bromochlorobenzene-FID         93.6 %         70-130         10/15/24         10/18/24         Edith/Benzene         E	5400 LBJ Freeway, Suite 1500	Project Numl	ber: 230	03-0002	Slot 1 ROW to Slo	pt 2	<b>Reported:</b> 10/21/2024 12:56:23PM
Analyte         Result         Limit         Dilution         Prepared         Analyzed         Notes           Volatile Organics by EPA 8021B         mg/kg         mg/kg         Analyst: BA         Batch: 244           Benzene         ND         0.0250         1         10/15/24         10/18/24           Schulbenzene         ND         0.0250         1         10/15/24         10/18/24           Foluene         ND         0.0250         1         10/15/24         10/18/24           Schulbenzene         ND         0.0250         1         10/15/24         10/18/24           Foluene         ND         0.0250         1         10/15/24         10/18/24           Schulbenzene         ND         0.0250         1         10/18/24         10/18/24           Schulbenzene         ND         0.0250         1         10/18/24         10/18/24           Schulbenzene         ND         0.0250         1         10/15/24         10/18/24           Schulbenzene         ND         0.0250         1         10/15/24         10/18/24           Schulbenzene         ND         20.0         1         10/15/24         10/18/24           Schulbenzene-PID         100			FS38 - 4'				
AnalyteResultLimitDilutionPreparedAnalyzedNotesVolatile Organics by EPA 8021Bmg/kgmg/kgMalyst: BABatch: 244BenzeneND0.0250110/15/2410/18/24EthylbenzeneND0.0250110/15/2410/18/24FolueneND0.0250110/15/2410/18/24-> XyleneND0.0250110/15/2410/18/24-> XyleneND0.0250110/15/2410/18/24-> Surrogate: 4-Bromochlorobenzene-PID100 %70-13010/15/2410/18/24Surrogate: 4-Bromochlorobenzene-PID100 %70-13010/15/2410/18/24Surrogate: 1-Chloro-4-fluorobenzene-FID93.6 %70-13010/15/2410/18/24Surrogate: 1-Chloro-4-fluorobenzene-FID93.6 %70-13010/15/2410/16/24Diesel Range Organics (C10-C28)ND25.0110/15/2410/16/24Diesel Range Organics (C28-C36)ND50.0110/15/2410/16/24Dia Range Organics (C28-C36)ND50.0110/15/2410/16/24Surrogate: n-Nonane101 %50-20010/15/2410/16/2410/16/24Anions by EPA 300.0/9056Amg/kgmg/kgAnalyst: YBatch: 244Anions by EPA 300.0/9056Amg/kgmg/kgAnalyst: YBatch: 244			E410145-01				
Volatile Organics by EPA 8021B         mg/kg         mg/kg         Analyst: BA         Batch: 244           Benzene         ND         0.0250         1         10/15/24         10/18/24           Ethylbenzene         ND         0.0250         1         10/15/24         10/18/24           Foluene         ND         0.0250         1         10/15/24         10/18/24           o-Xylene         ND         0.0250         1         10/15/24         10/18/24           o-Xylene         ND         0.0250         1         10/15/24         10/18/24           o-Xylene         ND         0.0250         1         10/15/24         10/18/24           o-m-Xylene         ND         0.0250         1         10/15/24         10/18/24           Surrogate: 4-Bromochlorobenzene-PID         100 %         70-130         10/15/24         10/18/24           Surrogate: 1-Chloro-4-fluorobenzene-PID         100 %         70-130         10/15/24         10/18/24           Surrogate: 1-Chloro-4-fluorobenzene-FID         93.6 %         70-130         10/15/24         10/18/24           Surrogate: 1-Chloro-4-fluorobenzene-FID         93.6 %         70-130         10/15/24         10/16/24           Diesel Range Organics (C10-C28)			Reporting				
Normatic Organics of Directory         ND         0.0250         1         10/15/24         10/18/24           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         0.0250         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           Surrogate: 1-Chloro-4-fluorobenzene-FID         100 %         70-130         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: 244           Diesel Range Organics (C10-C28)         ND         25.0         1         10/15/24         10/16/24	Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Ethylbenzene       ND       0.0250       1       10/15/24       10/18/24         Foluene       ND       0.0250       1       10/15/24       10/18/24         o-Xylene       ND       0.0250       1       10/15/24       10/18/24         o-Xylene       ND       0.0250       1       10/15/24       10/18/24         o-Xylene       ND       0.0250       1       10/15/24       10/18/24         o,m-Xylene       ND       0.0250       1       10/15/24       10/18/24         fotal 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: 244         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         Nohalogenated Organics (C10-C28)       ND       25.0       1       10/16/24       10/16/24         Oil Range Organics (C28-C36)       ND       50.0       1       10/16/24       10/16/2	<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2442067
Indiana       0.0250       1       10/15/24       10/18/24         Foluene       ND       0.0250       1       10/15/24       10/18/24         o-Xylene       ND       0.0250       1       10/15/24       10/18/24         o-Xylene       ND       0.0250       1       10/15/24       10/18/24         o-Xylene       ND       0.0250       1       10/15/24       10/18/24         fordal 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: 244         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 (C10-C28)       ND       25.0       1       10/15/24       10/16/24         Dil 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	Benzene	ND	0.0250	1	10/15/24	10/18/24	
ND       0.0250       1       10/15/24       10/18/24         o-Xylene       ND       0.0250       1       10/15/24       10/18/24         o,m-Xylene       ND       0.0250       1       10/15/24       10/18/24         fotal 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: 244         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: 244         Surrogate: 1-Chloro-4-fluorobenzene-FID       93.6 %       70-130       10/15/24       10/16/24         Diesel Range Organics (C10-C28)       ND       25.0       1       10/15/24       10/16/24         Dil Range Organics (C28-C36)       ND       50.0       1       10/15/24       10/16/24         Surrogate: n-Nonane       101 %       50-200       10/15/24	thylbenzene	ND	0.0250	1	10/15/24	10/18/24	
NP. No.       ND       ND       ND       ND       10/15/24       10/18/24         Non Axylene       ND       0.0550       1       10/15/24       10/18/24         Fotal 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: 244         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: 244         Nonhalogenated Organics (C10-C28)       ND       25.0       1       10/15/24       10/16/24         Dil 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: 244	oluene	ND	0.0250	1	10/15/24	10/18/24	
ND       0.0250       1       10/15/24       10/18/24         Fordal 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: 244         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: 244         Oiesel Range Organics (C10-C28)       ND       25.0       1       10/15/24       10/16/24         Dil 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       mg/kg       Analyst: IY       Batch: 244	-Xylene	ND	0.0250	1	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO       mg/kg       mg/kg       Analyst: BA       Batch: 244         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: 244         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: 244         Diesel Range Organics (C10-C28)       ND       25.0       1       10/15/24       10/16/24         Dil 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       Malyst: IY       Batch: 244	,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO         mg/kg         mg/kg         Analyst: BA         Batch: 244           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: 244           Diesel Range Organics (C10-C28)         ND         25.0         1         10/15/24         10/16/24           Dil 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         Mg/kg         Malyst: IY         Batch: 244	Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
Gasoline Range Organics (C6-C10)       ND       20.0       1       10/15/24       10/18/24         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: 244         Diesel Range Organics (C10-C28)       ND       25.0       1       10/15/24       10/16/24         Dil 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       mg/kg       Analyst: IY       Batch: 244	urrogate: 4-Bromochlorobenzene-PID		100 %	70-130	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: 244         Diesel Range Organics (C10-C28)       ND       25.0       1       10/15/24       10/16/24         Dil 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       mg/kg       Analyst: IY       Batch: 244	Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2442067
Nonhalogenated Organics by EPA 8015D - DRO/ORO         mg/kg         mg/kg         Analyst: NV         Batch: 244           Diesel Range Organics (C10-C28)         ND         25.0         1         10/15/24         10/16/24           Dil 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: 244	Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
ND         25.0         1         10/15/24         10/16/24           Diesel Range Organics (C10-C28)         ND         25.0         1         10/15/24         10/16/24           Dil 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: 244	urrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	10/15/24	10/18/24	
Dil Range Organics (C28-C36)     ND     50.0     1     10/15/24     10/16/24 <i>iurrogate: n-Nonane</i> 101 %     50-200     10/15/24     10/16/24       Anions by EPA 300.0/9056A     mg/kg     mg/kg     Analyst: IY     Batch: 244	Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2442076
Dil 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: 244	Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: IY Batch: 244		ND	50.0	1	10/15/24	10/16/24	
	urrogate: n-Nonane		101 %	50-200	10/15/24	10/16/24	
6360 100 5 10/16/24 10/16/24	Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2442088
	Chloride	6360	100	5	10/16/24	10/16/24	



	N N	ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb		ger Lake Sout 03-0002	Reported:		
Dallas TX, 75240	Project Manag		ley Giovengo			10/21/2024 12:56:23PM
		FS39 - 4'				
		E410145-02				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Foluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Fotal 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	An	alyst: 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	An	alyst: NV		Batch: 2442076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Dil 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	An	alyst: IY		Batch: 2442088
Chloride	3420	40.0	2	10/16/24	10/16/24	



		ampic D				
Matador Resources, LLC.	Project Name:	: Dag	ger Lake Sou	th Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb	er: 230		Reported:		
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			10/21/2024 12:56:23PM
		FS40 - 4'				
		E410145-03				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	
p-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,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	
urrogate: 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	A	nalyst: NV		Batch: 2442076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Dil 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	A	nalyst: IY		Batch: 2442088
Chloride	3770	40.0	2	10/16/24	10/16/24	

Matador Resources, LLC.

Dallas TX, 75240

5400 LBJ Freeway, Suite 1500

Samp	ole Data	
Project Name:	Dagger Lake South Slot 1 ROW to Slot 2	
Project Number:	23003-0002	Reported:
Project Manager:	Ashley Giovengo	10/21/2024 12:56:23PM
FS4	1 - 4'	

Page 235 of 396

	1011									
	E410145-04									
Reporting										
Result	Limit	Dilution	Prepared	Analyzed	Notes					
olatile Organics by EPA 8021B mg/kg mg/kg Analyst: BA										
ND	0.0250	1	10/15/24	10/18/24						
ND	0.0250	1	10/15/24	10/18/24						
ND	0.0250	1	10/15/24	10/18/24						
ND	0.0250	1	10/15/24	10/18/24						
ND	0.0500	1	10/15/24	10/18/24						
ND	0.0250	1	10/15/24	10/18/24						
	102 %	70-130	10/15/24	10/18/24						
mg/kg	mg/kg	Analy	st: BA		Batch: 2442067					
ND	20.0	1	10/15/24	10/18/24						
	92.5 %	70-130	10/15/24	10/18/24						
mg/kg	mg/kg	Analy	st: NV		Batch: 2442076					
ND	25.0	1	10/15/24	10/16/24						
ND	50.0	1	10/15/24	10/16/24						
	105 %	50-200	10/15/24	10/16/24						
mg/kg	mg/kg	Analy	st: IY		Batch: 2442088					
5730	100	5	10/16/24	10/16/24						
	mg/kg ND ND ND ND ND mg/kg ND mg/kg ND	Reporting           Result         Limit           mg/kg         mg/kg           ND         0.0250           Mg/kg         mg/kg           mg/kg         mg/kg           Mg/kg         Mg/kg           ND         20.0           92.5 %         mg/kg           MD         25.0           ND         50.0           105 %         mg/kg           mg/kg         mg/kg	Reporting Result         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           MD         0.0250         1           MD         20.0         1           92.5 %         70-130         1           mg/kg         mg/kg         Maly           ND         25.0         1           ND         50.0         1           ND         50.0         1           105 %         50-200         1	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         10/15/24           MD         20.0         1         10/15/24           MD         20.0         1         10/15/24           MD         20.0         1         10/15/24           MD         25.0         1         10/15/24           ND         25.0         1         10/15/24           ND         50.0	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA         Interface         Interface <thinterface< th="">         Interface</thinterface<>					



	N	ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	t 2	<b>Reported:</b> 10/21/2024 12:56:23PM
		FS42 - 4'				
		E410145-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	: 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	
oluene	ND	0.0250	1	10/15/24	10/18/24	
-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: BA		Batch: 2442067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
urrogate: 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	ng/kg Analyst: NV		Batch: 2442076	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
urrogate: n-Nonane		106 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: IY		Batch: 2442088
Chloride	6920	100	5	10/16/24	10/16/24	



Matador Resources, LLC.	Project Name:	: Dag	ger Lake South	Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb	er: 230	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			10/21/2024 12:56:23PM
		FS43 - 4'				
		E410145-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
o,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	Anal	yst: 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	Anal	yst: NV		Batch: 2442076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Dil 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	Anal	yst: IY		Batch: 2442088
Chloride	4140	40.0	2	10/16/24	10/17/24	



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Matador Resources, LLC.	Project Name	e: Dag	ger Lake South S	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 2300	03-0002		Reported:	
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			10/21/2024 12:56:23PM
		FS44 - 4'				
		E410145-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,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	
urrogate: 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	Analys	t: NV		Batch: 2442076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Dil 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	Analys	t: IY		Batch: 2442088
Chloride	3750	40.0	2	10/16/24	10/17/24	

		ampre 2				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	per: 230	ger Lake South SI)3-0002 ley Giovengo	ot 1 ROW to Slo	ot 2	Reported: 10/21/2024 12:56:23PM
		FS45 - 4'				
		E410145-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-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	Analys	t: 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	
Dil 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	Analys	t: IY		Batch: 2442088

 Anions by EPA 300.0/9056A
 mg/kg
 mg/kg
 Analyst: IY

 Chloride
 4050
 40.0
 2
 10/16/24
 10/17/24



		ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	ot 2	Reported: 10/21/2024 12:56:23PM
		FS46 - 4'				
		E410145-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
oluene	ND	0.0250	1	10/15/24	10/18/24	
-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
urrogate: 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	
urrogate: 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	kg Analyst: NV		Batch: 2442076	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
urrogate: n-Nonane		104 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2442088
Chloride	3200	40.0	2	10/16/24	10/17/24	



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Matador Resources, LLC.	Project Nam	e: Dag	ger Lake South Sl	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Num	iber: 230	Reported:			
Dallas TX, 75240	Project Man	ager: Ash	ley Giovengo			10/21/2024 12:56:23PM
		FS47 - 4'				
		E410145-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Foluene	ND	0.0250	1	10/15/24	10/18/24	
p-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,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	Analys	t: 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	Analys	t: NV		Batch: 2442076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Dil 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	Analys	t: IY		Batch: 2442088
Chloride	3950	40.0	2	10/16/24	10/17/24	

	\sim	ampic D				
Matador Resources, LLC.	Project Name	: Dag	ger Lake South	Slot 1 ROW to Slo	t 2	
5400 LBJ Freeway, Suite 1500	Project Numb	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			10/21/2024 12:56:23PM
		FS48 - 4'				
		E410145-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
p-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,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	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: IY		Batch: 2442088
Chloride	3340	40.0	2	10/16/24	10/17/24	

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	per: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	ot 2	Reported: 10/21/2024 12:56:23PM
		FS49 - 4'				
		E410145-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,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	Analys	t: 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	Analys	t: 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	Analys	t: IY		Batch: 2442088
Chloride	4290	40.0	2	10/16/24	10/17/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	ber: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	ot 2	Reported: 10/21/2024 12:56:23PM
		FS50 - 4'				
		E410145-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,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	Analys	t: 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	Analys	t: 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	Analys	t: IY		Batch: 2442088
Chloride	3980	40.0	2	10/16/24	10/17/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	ot 2	Reported: 10/21/2024 12:56:23PM
		FS51 - 4'				
		E410145-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
urrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2442067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
urrogate: 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	Analys	t: NV		Batch: 2442076
Diesel Range Organics (C10-C28)	34.7	25.0	1	10/15/24	10/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/16/24	
Gurrogate: n-Nonane		116 %	50-200	10/15/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2442088
Chloride	2900	40.0	2	10/16/24	10/17/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 230	ger Lake South Sl)3-0002 ley Giovengo	ot 1 ROW to Slo	ot 2	Reported: 10/21/2024 12:56:23PM
		FS52 - 4'				
		E410145-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	: 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	
o,m-Xylene	ND	0.0500	1	10/15/24	10/19/24	
Fotal Xylenes	ND	0.0250	1	10/15/24	10/19/24	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/15/24	10/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: BA		Batch: 2442067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.8 %	70-130	10/15/24	10/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: NV		Batch: 2442076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/16/24	
Dil 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	Analys	:: IY		Batch: 2442088
Chloride	3840	40.0	2	10/16/24	10/17/24	



Page	247	of 396

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Matador Resources, LLC.	Project Name	e: Dag	ger Lake South Sl	ot 1 ROW to Slo	ot 2		
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	er: 23003-0002				
Dallas TX, 75240	Project Mana	10/21/2024 12:56:23PM					
		FS53 - 4'					
		E410145-16					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	Analys	t: 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	g/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	Analys	t: IY		Batch: 2442088	
Chloride	3840	40.0	2	10/16/24	10/17/24		

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	ot 2	Reported: 10/21/2024 12:56:23PM
		FS54 - 4'				
		E410145-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/15/24	10/19/24	
o,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	Analys	t: 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	Analys	t: NV		Batch: 2442076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Dil 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	Analys	t: IY		Batch: 2442088
Chloride	3000	40.0	2	10/16/24	10/17/24	



Page	249	of 396
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Matador Resources, LLC.	Project Name:	U	ger Lake South Sl	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb			Reported:		
Dallas TX, 75240	Project Manag	ger: Ash		10/21/2024 12:56:23PM		
		FS55 - 4'				
		E410145-18				
		Reporting				
Analyte	Result	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	
o,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	
Dil 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	



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Matador Resources, LLC.	Project Name	: Dag	ger Lake South S	Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Number: 23003-0002					
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			10/21/2024 12:56:23PM
		FS56 - 4'				
		E410145-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
-Xylene	ND	0.0250	1	10/15/24	10/19/24	
o,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	Analy	vst: BA		Batch: 2442067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/19/24	
urrogate: 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	Analy	vst: NV		Batch: 2442076
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Dil 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	Analy	rst: IY		Batch: 2442088
Chloride	4970	40.0	2	10/16/24	10/17/24	



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Matador Resources, LLC.	Project Name:	: Dag	ger Lake South	n Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb	er: 2300	03-0002	Reported:		
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo		10/21/2024 12:56:23PM	
		FS57 - 4'				
		E410145-20				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	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	
p-Xylene	ND	0.0250	1	10/15/24	10/19/24	
o,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	Ana	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	

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

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Matador Resources, LLC.	Project Name: Dagger Lake South Slot 1 ROW to Slot 2								Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	3003-0002		·			
Dallas TX, 75240		Project Manager:	А	shley Gioveng	go				10/21/2024 12:56:23PM
		Volatile O	rganics l	by EPA 802	21B				Analyst: BA
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442067-BLK1)							Prepared: 1	0/15/24	Analyzed: 10/18/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.4	70-130			
LCS (2442067-BS1)							Prepared: 1	0/15/24	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			
p-Xylene	5.07	0.0250	5.00		101	70-130			
o,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: 10/15/2		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			
p-Xylene	4.79	0.0250	5.00	ND	95.8	63-131			
o,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: 1	0/15/24	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	
	5.42	0.0250	5.00	ND	108	63-131	12.3	20	
p-Xylene	0.12								
p-Xylene p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131	12.0	20	
			10.0 15.0	ND ND	109 109	63-131 63-131	12.0 12.1	20 20	


QC Summary Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002		ROW to S	Slot 2		Reported:
Dallas TX, 75240		Project Manager	: .	Ashley Gioveng	0				10/21/2024 12:56:23PM
	No	nhalogenated (Organic	s by EPA 801	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442067-BLK1)							Prepared: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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

		$\mathbf{x} \in \mathbf{v}$		ary Dan					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002		ROW to S	Slot 2		Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	<u>jo</u>				10/21/2024 12:56:23PM
	Nonha	alogenated Org	anics b	y EPA 8015E) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442076-BLK1)							Prepared: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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

		-		v					
Matador Resources, LLC.		Project Name:]	Dagger Lake So	outh Slot 1	ROW to S	Slot 2		Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	-	23003-0002					
Dallas TX, 75240		Project Manager	:	Ashley Gioveng	go				10/21/2024 12:56:23PM
		Anions	by EPA	300.0/9056	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442088-BLK1)							Prepared: 1	0/16/24 A	nalyzed: 10/16/24
Chloride	ND	20.0							
LCS (2442088-BS1)							Prepared: 1	0/16/24 A	nalyzed: 10/16/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2442088-MS1)				Source:	E410145-	05	Prepared: 1	0/16/24 A	nalyzed: 10/16/24
Chloride	6800	100	250	6920	NR	80-120			M4
Matrix Spike Dup (2442088-MSD1)				Source:	E410145-	05	Prepared: 1	0/16/24 A	nalyzed: 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.



_		Demitions		
ſ	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

Client Information	Invoice Information				La		e On			1		TAT	State
lient: Matador Production Company	Company: Ensolum LLC	2	Lab	WO#			Job N	Num	ber	-	1D 2	D 3D Std	NM CO UT TX
roject: biggen Lake South Slot 1 Act to roject Manager: Ashley Giovenzo Slot 2	Address: 3122 National Parks Hwy	1	E4	10	145	5	23	003	, 00	52	24	X	X
	City, State, Zip: Carlsbad NM, 8822	20	-										
ddress: 3122 National Parks Hwy	Phone: 575-988-0055		-			-	Anal	lysis	and	Meth	od		EPA Program
ity, State, Zip: Carlsbad NM, 88220 hone: 575-988-0055	Email: agiovengo@ensolum.com	<u> </u>	- 1										SDWA CWA RCRA
mail: agiovengo@ensolum.com	Miscellaneous:			10									Compliance Y or N
		100	-	8015	8015	-		0.	-	~	s		PWSID #
Sample In	formation			RO by	RO by	802	8260	e 300	- NN	05 - TJ	Meta		
Time Date Sampled Matrix No. of Containers	Sample ID	0 +1	Lab umber	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		Page
201 10/10/24 Soil 1 F	538 - 4'		1						X				
1204	39		2						×				
12.06	40		3						×				
1209	41		4						×				
121	42		5						×				
1213	43	(0						×				
1246	44	1	7						×				
1219	45		8						×				
[22]	46 +	0	7						X				
1224	47	1	0						X				
dditional Instructions: Please CC: cburton@ensolu	im.com, agiovengo@ensolum.com, cha	milton@	ensolu	um.c	om, i	estre	ella@	Pens	olum	.com	1		
(field sampler), attest to the validity and authenticity of this sample. I arr	aware that tampering with or intentionally mislabeling	the sample	location	date	or time	of col	lection	is con	sidere	d frauc	and ma	v be grounds for	legal action
impled by: Oluwale polernoto	and a marcal print of marcal and a marcal and a marcal and	s are sumple	, location,	, oute	or time			115 0011	bidere	unuuu	and me	, ac Broands for	ieger serient
elinquished by: (Signature) Druwale Advanto 10/11/24 08	Received by: (Signature)	Date 10-14	.24	Time	730	>			sample		eived pac		ust be received on ice the day they are g temp above 0 but less than 6 °C on
elinquished by (Signature) Michaelle Genzales 10-14-24	40 Refeived by: (Signature)	Date 10.14	.14	Time	640						on ice	1	e Only
Lelinduished by: (Signature) Date Time 10.14.24 7	7/18 Received by: (Stenature)	Date 10.15	.14	Time	M)			T1			T2	72
elinquished by: (Signature)	Received by: (Signature)	Date	61	Time	u	-			11	-	00	<u>12</u>	<u> </u>
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Contain	er Type	e: g -	glass,	p - p	olv/p		AVG	amh	or alac	s, v - VOA	
lote: Samples are discarded 14 days after results are reported un		mples will	be retu	rned t	o clier	nt or o	dispos	ed of	at the	client	t expens	se. The report	for the analysis of the above
amples is applicable only to those samples received by the labora	atory with this COC. The liability of the laboratory	is limited	to the a	moun	nt paid	for o	on the	repor	t.				

Chain of Custody

_		Second P	Contra	1.	1 1	and a state of the	*****	- 1	-					-		-		1
		ent Info	0.000.000	1963 - C.		Invoice Infor	nation							40	TAT	State		
Client: N	Aatador Pro	a VQ C	Com	Slot 1 Pola		Company: Ensolum LLC Address: 3122 National	Darke Hww		Lab WO# Job Number E 4[0]45 25003 (ber	2	1D 2	2D 3D Sto	MM CO UT TX	
	Aanager: A					City, State, Zip: Carlsbad			- ETIMAS KONSINCI									
	3122 Nati					hone: 575-988-0055						Ana	alysis	and	Met	hod		EPA Program
	e, Zip: Carl		M, 882	220	_	Email: agiovengo@ens	olum.com											SDWA CWA RCRA
	575-988-00 giovengo@				N	Aiscellaneous:												Compliance Y or N
indii. d	giovengo@	ensolun	1.0011					-	8015	8015			0		~	s		PWSID #
				Sam	ple Informa	ation			VH OS	NH OR	8021	8260	s 300.	WN -	05 - TX	Meta		
Time Sampled	Date Sampled	l Matri		No. of ntainers		Sample ID	Field	Filter Nnu	b ber	GRO/DRO hv 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		Remarks
1226	10/10/22	Soil		1	FS:	48 - 4'		1	(×				Page
1228						49		12	>					X				
1230						50		12	5					X				
1233						51		IL	1					X				
1235						52		E	5					X				
1237						53		10	0					×				
1239						54		17	7					×				
1241						55		18	3					×				
1244						56*		10	7					×				
1246				1		57	-	20	C					X				
		ions: F	lease	CC: cburton@e		m, agiovengo@ensolum	.com, chamil			n.con	n, iest	rella	@ens	solun	n.cor	n		
															100			
, (field sam ampled by	1.	the validity	and aut	henticity of this samp		that tampering with or intentiona	ly mislabeling the	sample lo	cation, da	te or t	ime of c	ollectic	on is co	nsider	ed frau	id and m	ay be grounds f	or legal action.
Relinquish	ed by: (Signat	ure)				Received by: (Signature)	A Da	ate	Tin	ne		1		10000				must be received on ice the day they are
	ale Ac		oto			Received by: (Signature)		10-14-			30	-		10000	led or re auent d			avg temp above 0 but less than 6 °C on
Wic	ed by: (Signat	ionzo	les	Date 10-14-24	Time 1640	Received by: (Signature)	1	10.14.	-	164	6			Rec	eived	d on ic	-	Jse Only N
L.J	ed by: (Signat			Date 10.14.24	224		au 1	0.15.2		_	0			<u>T1</u>			<u>T2</u>	T3
relinquish	ed by: (Signat	ture)		Date	Time	Received by: (Signature)	Da	ate	Tin	ne		8		AVC	5 Ter	np °C_	4	
	Contraction of the			A - Aqueous, O - Oth	-			ontoino	Tunor			nolui	plact	10.20	200	nor da	ss, v - VOA	1

Page 32 of 33

C

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	10/15/24	08:00	Work Order ID:	E410145
Phone:	(972) 371-5200 Da	te Logged In:	10/14/24	16:06	Logged In By:	Noe Soto
Email:		ie Date:	10/21/24	17:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comment	ts/Resolution
Sample	Turn Around Time (TAT)					
	e 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 th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are rec		Yes			
12 If no	minutes of sampling visible ice, record the temperature. Actual sample tem	nnoroturo: 1º	C			
		nperature. <u>+ -</u>	<u> </u>			
	Container aqueous VOC samples present?		N			
	VOC samples collected in VOA Vials?		No NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La		conceted.	105			
	e field sample labels filled out with the minimum information	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
-	Preservation	10	•-			
	s the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?	1-9	NA			
	b filteration required and/or requested for dissolved meta	us /	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?	10	No			
27. If ye	s, does the COC specify which phase(s) is to be analyzed	17	NA			
	tract Laboratory					
	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		

B

Date

envirotech Inc.

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

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5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dagger Lake South Slot 1 ROW to Slot 2
Work Order:	E410146
Job Number:	23003-0002
Received:	10/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/21/24

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: 10/21/24

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



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 reguarding 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com



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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
SW02 - 0 - 4'	6
SW09 - 0 - 4'	7
SW15 - 0 - 4'	8
SW16 - 0 - 4'	9
SW17 - 0 - 4'	10
SW18 - 0 - 4'	11
SW22 - 0 - 4'	12
SW23 - 0 - 4'	13
SW24 - 0 - 4'	14
SW25 - 0 - 4'	15
SW26 - 0 - 4'	16
SW27 - 0 - 4'	17
SW28 - 0 - 4'	18
SW29 - 0 - 4'	19
SW30 - 0 - 4'	20
SW31 - 0 - 4'	21
SW32 - 0 - 4'	22
SW33 - 0 - 4'	23
SW34 - 0 - 4'	24
SW35 - 0 - 4'	25

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Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summarv

		Sample Sum	mary		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	Dagger Lake South 23003-0002 Ashley Giovengo	Slot 1 ROW to	Slot 2 Reported: 10/21/24 12:50
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
W02 - 0 - 4'	E410146-01A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W09 - 0 - 4'	E410146-02A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W15 - 0 - 4'	E410146-03A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W16 - 0 - 4'	E410146-04A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W17 - 0 - 4'	E410146-05A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W18 - 0 - 4'	E410146-06A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W22 - 0 - 4'	E410146-07A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W23 - 0 - 4'	E410146-08A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W24 - 0 - 4'	E410146-09A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W25 - 0 - 4'	E410146-10A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W26 - 0 - 4'	E410146-11A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W27 - 0 - 4'	E410146-12A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W28 - 0 - 4'	E410146-13A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W29 - 0 - 4'	E410146-14A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W30 - 0 - 4'	E410146-15A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W31 - 0 - 4'	E410146-16A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W32 - 0 - 4'	E410146-17A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W33 - 0 - 4'	E410146-18A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W34 - 0 - 4'	E410146-19A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W35 - 0 - 4'	E410146-20A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.



	5	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numb		ger Lake South)3-0002	Slot 1 ROW to Slo	ot 2	Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			10/21/2024 12:50:50PM
	S	SW02 - 0 - 4'				
		E410146-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
o,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Fotal 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	Ana	lyst: 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	Ana	lyst: NV		Batch: 2442077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Dil 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	Ana	lyst: IY		Batch: 2442089
Chloride	84.7	20.0	1	10/16/24	10/16/24	



	9	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 2300	ger Lake South S)3-0002 ley Giovengo	lot 1 ROW to Slo	ot 2	Reported: 10/21/2024 12:50:50PM
	~	E410146-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	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	Analy		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

 Chloride
 26.0
 20.0
 1
 10/16/24
 10/17/24



Batch: 2442089

Page 267 of 396

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	U	ger Lake South S 03-0002	ot 1 ROW to Slo	ot 2	Reported:
Dallas TX, 75240	Project Manag		ley Giovengo			10/21/2024 12:50:50PM
	S	W15 - 0 - 4'				
	-	E410146-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	Analys	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		94.0 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2442077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
Surrogate: n-Nonane		111 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2442089
Chloride	39.2	20.0	1	10/16/24	10/17/24	



Benzene

Toluene

Ethylbenzene

0.0250

0.0250

0.0250

	Sam	ple Dat	a			
Matador Resources, LLC.	Project Name:	Dagger	Lake South Slo	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0	0002			Reported:
Dallas TX, 75240	Project Manager:	Ashley	Giovengo			10/21/2024 12:50:50PM
	SW10	6 - 0 - 4'				
	E41(0146-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst:	BA		Batch: 2442070

1

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1

10/15/24

10/15/24

10/15/24

10/15/24

10/18/24

10/18/24

10/18/24

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		Analys	t: BA		Batch: 2442070
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/15/24	10/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130		10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analys	t: 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		Analys	t: IY		Batch: 2442089

Page 9 of 33

ND

ND

ND

	~	ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	er: 230	ger Lake South Sl 03-0002 ley Giovengo	ot 1 ROW to Slo	ot 2	Reported: 10/21/2024 12:50:50PM
	S	SW17 - 0 - 4'				
		E410146-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Fotal 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		93.4 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2442077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Dil 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	Analys	:: IY		Batch: 2442089
Chloride	23.3	20.0	1	10/16/24	10/17/24	



		umpic 2				
Matador Resources, LLC.	Project Name		ger Lake South S	lot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb	er: 230	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			10/21/2024 12:50:50PM
	5	SW18 - 0 - 4'				
		E410146-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: BA		
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		93.4 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ng/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	Analys	t: IY		Batch: 2442089
Chloride	50.0	20.0	1	10/16/24	10/16/24	



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Matador Resources, LLC.	Project Name:	U	ger Lake South Sl	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			10/21/2024 12:50:50PM
	S	W22 - 0 - 4'				
		E410146-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	Analys	t: BA		Batch: 2442070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: 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	Analys	:: IY		Batch: 2442089
Chloride	ND	20.0	1	10/16/24	10/17/24	

	2	ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	ger Lake South S 03-0002 ley Giovengo	ot 1 ROW to Slo	ot 2	Reported: 10/21/2024 12:50:50PM
	Ś	SW23 - 0 - 4'				
		E410146-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	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	mg/kg Analyst: NV		Batch: 2442077	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
Surrogate: n-Nonane		111 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2442089
Chloride	ND	20.0	1	10/16/24	10/17/24	



W to Slot 2	Reported: 10/21/2024 12:50:50PM
	•
	10/21/2024 12:50:50PM
ared Analyzed	Notes
	Batch: 2442070
5/24 10/18/24	
5/24 10/18/24	
5/24 10/18/24	
5/24 10/18/24	
5/24 10/18/24	
5/24 10/18/24	
5/24 10/18/24	
	Batch: 2442070
5/24 10/18/24	
5/24 10/18/24	
	Batch: 2442077
5/24 10/17/24	
5/24 10/17/24	
5/24 10/17/24	
	Batch: 2442089
6/24 10/17/24	
	5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/18/24 5/24 10/17/24 5/24 10/17/24 5/24 10/17/24

		ampic D				
Matador Resources, LLC.	Project Name:	U	ger Lake South S	ot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			10/21/2024 12:50:50PM
	S	W25 - 0 - 4'				
		E410146-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
p-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,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	Analys	t: 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	Analys	t: 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	Analys	t: IY		Batch: 2442089
Chloride	158	20.0	1	10/16/24	10/17/24	

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Page 274 of 396

	5	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb	0	ger Lake South S 03-0002	ot 1 ROW to Slo	ot 2	Reported:
Dallas TX, 75240	Project Mana		ley Giovengo			10/21/2024 12:50:50PM
		SW26 - 0 - 4'				
		E410146-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2442070
Benzene	ND	0.0250	1	10/15/24	10/18/24	
thylbenzene	ND	0.0250	1	10/15/24	10/18/24	
oluene	ND	0.0250	1	10/15/24	10/18/24	
-Xylene	ND	0.0250	1	10/15/24	10/18/24	
,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g/kg Analyst: BA			Batch: 2442070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	10/15/24	10/18/24	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2442077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
urrogate: n-Nonane		113 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2442089
Chloride	354	20.0	1	10/16/24	10/17/24	



	5	ample D	ลเล			
Matador Resources, LLC.	Project Name	0	ger Lake South S	lot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002	Reported: 10/21/2024 12:50:50PM		
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			10/21/2024 12:50:50PM
	:	SW27 - 0 - 4'				
		E410146-12				
		Reporting				
Analyte	Result	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	
thylbenzene	ND	0.0250	1	10/15/24	10/18/24	
oluene	ND	0.0250	1	10/15/24	10/18/24	
o-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Fotal Xylenes	ND	0.0250	1	10/15/24	10/18/24	
urrogate: 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	
urrogate: 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	
Dil 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	Analys	st: IY		Batch: 2442089
Chloride	ND	20.0	1	10/16/24	10/17/24	



	5	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb	0	ger Lake South S 03-0002	ot 2	Reported:	
Dallas TX, 75240	Project Mana		ley Giovengo	10/21/2024 12:50:50PM		
	:	SW28 - 0 - 4'				
		E410146-13				
		Reporting				
Analyte	Result	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	
thylbenzene	ND	0.0250	1	10/15/24	10/18/24	
oluene	ND	0.0250	1	10/15/24	10/18/24	
-Xylene	ND	0.0250	1	10/15/24	10/18/24	
,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: BA		Batch: 2442070	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	10/15/24	10/18/24	
onhalogenated 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	
Dil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
urrogate: n-Nonane		110 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2442089
Chloride	145	20.0	1	10/16/24	10/17/24	



		ampie D	** ***			
Matador Resources, LLC.	Project Name	: Dag	ger Lake South S	lot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numb	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			10/21/2024 12:50:50PM
	S	SW29 - 0 - 4'				
		E410146-14				
		Reporting				
Analyte	Result	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	
` oluene	ND	0.0250	1	10/15/24	10/18/24	
-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Fotal Xylenes	ND	0.0250	1	10/15/24	10/18/24	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: BA		Batch: 2442070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
urrogate: 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	
Dil 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	Analys	t: IY		Batch: 2442089
Chloride	ND	20.0	1	10/16/24	10/17/24	

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb		ger Lake South 03-0002	Slot 1 ROW to Slo	ot 2	Reported:
Dallas TX, 75240	Project Mana	10/21/2024 12:50:50PM				
		SW30 - 0 - 4'				
		E410146-15				
		Reporting				
Analyte	Result	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	
o,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: BA		Batch: 2442070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/15/24	10/18/24	
urrogate: 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	mg/kg Analyst: NV		Batch: 2442077	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
urrogate: n-Nonane		112 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2442089
Chloride	39.6	20.0	1	10/16/24	10/17/24	

	5	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb	-	ger Lake South)3-0002	Slot 1 ROW to Slo	ot 2	Reported:
Dallas TX, 75240	Project Mana		10/21/2024 12:50:50PM			
		SW31 - 0 - 4'				
		E410146-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
p-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	/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	Ana	lyst: IY		Batch: 2442089
Chloride	45.1	20.0	1	10/16/24	10/17/24	



Page	281	of 396	
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	5	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	ger Lake Soutl)3-0002 ley Giovengo	n Slot 1 ROW to Slo	t 2	Reported: 10/21/2024 12:50:50PM
	S	5W32 - 0 - 4'				
		E410146-17				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
o,m-Xylene	ND	0.0500	1	10/15/24	10/18/24	
Total Xylenes	ND	0.0250	1	10/15/24	10/18/24	
urrogate: 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	rg Analyst: NV		Batch: 2442077	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Dil 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	Ana	alyst: IY		Batch: 2442089
Chloride	262	20.0	1	10/16/24	10/17/24	



	~	ampic D				
Matador Resources, LLC.	Project Name: Dagger Lake South Slot 1 ROW to Slot 2					
5400 LBJ Freeway, Suite 1500	Project Numb		03-0002			Reported:
Dallas TX, 75240	Project Mana	iger: Ash	ley Giovengo			10/21/2024 12:50:50PM
	1	SW33 - 0 - 4'				
		E410146-18				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
p-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,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	An	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	g Analyst: NV		Batch: 2442077	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Dil 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	An	alyst: IY		Batch: 2442089
Chloride	127	20.0	1	10/16/24	10/17/24	

		imple D				
Matador Resources, LLC.	Project Name:	Dag	ger Lake South S	lot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo			10/21/2024 12:50:50PM
	S	5W34 - 0 - 4'				
		E410146-19				
		Reporting				
Analyte	Result	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	
p-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	Analys	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		96.7 %	70-130	10/15/24	10/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g 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	Analys	t: IY		Batch: 2442089
Chloride	180	20.0	1	10/16/24	10/17/24	

	Sa	imple D	ala			
Matador Resources, LLC.	Project Name:	Dag	ger Lake Sout	h Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Number	r: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manage	er: Ash	ley Giovengo			10/21/2024 12:50:50PM
	S	W35 - 0 - 4'				
	I	E410146-20				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
p-Xylene	ND	0.0250	1	10/15/24	10/18/24	
o,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	ļ	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	
Dil 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	An	alyst: IY		Batch: 2442089

mg/kg mg/kg Analyst: IY Anions by EPA 300.0/9056A 10/16/24 10/17/24 57.9 20.0 1 Chloride





Page 284 of 396

QC Summary Data

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- LCS (2442070-BS1) Benzene 4.95 0.0250 5.00 98.9 70- LCS (2442070-BS1) Benzene 4.95 0.0250 5.00 100 70- Totuene 5.02 0.0250 5.00 100 70- Totuene 5.05 0.0250 5.00 101 70- o-Xylene 10.2 0.0500 10.0 102 70- Total Xylenes 15.3 0.0250 15.0 102 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 ND 99.6 61- Total	nits RPD 6 % Prepared: 130 Prepared:	RPD Limit %	10/21/2024 12:50:50PM Analyst: BA Notes .nalyzed: 10/18/24
Analyse Limit Level Result Result Limit Level Result Rec Limit mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg % 9 Blank (2442070-BLK1) Benzene ND 0.0250	nits RPD 6 % Prepared: 130 Prepared:	Limit %	.nalyzed: 10/18/24
Instruct mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg % 9 Blank (2442070-BLK1) Benzene ND 0.0250 5.00 100 70 0.0250 5.00 100 70 0.0250 5.00 101 70 0.0250 5.00 101 70 0.0250 5.00 101 70 0.0250 5.00 101 70 0.0250 5.00 101 70 0.0250 5.00 101 70 0.0250 5.00	6 % Prepared: 130 Prepared:	% : 10/15/24 A	.nalyzed: 10/18/24
Benzene ND 0.0250 Ethylbenzene ND 0.0250 Toluene ND 0.0250 o-Xylene ND 0.0250 pm-Xylene ND 0.0250 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.94 8.00 99.3 70- LCS (2442070-BS1) 7.94 8.00 98.9 70- LCS (2442070-BS1) 7.94 8.00 98.9 70- LCS (2442070-BS1) 5.02 0.0250 5.00 100 70- Surrogate: 4-Bromochlorobenzene-PID 7.94 8.00 98.9 70- Toluene 5.02 0.0250 5.00 101 70- o-Xylene 10.2 0.0500 101 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 5.00 ND <	130 Prepared:		
ND 0.0250 Toluene ND 0.0250 o-Xylene ND 0.0250 p,m-Xylene ND 0.0250 Sturrogate: 4-Bromochlorobenzene-PID 7.94 8.00 99.3 70- LCS (2442070-BS1) Benzene 4.95 0.0250 5.00 100 70- Toluene 5.02 0.0250 5.00 101 70- Toluene 5.05 0.0250 5.00 101 70- Sturrogate: 4-Bromochlorobenzene-PID 8.06 0.0250 5.00 101 70- Sturrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Sturogate: 4-Bromochlorobenzene-PID 8.06	Prepared:	: 10/15/24 A	.nalyzed: 10/18/24
Ethylbenzene ND 0.0250 Toluene ND 0.0250 o-Xylene ND 0.0250 Sturrogate: 4-Bromochlorobenzene-PID 7.94 8.00 99.3 70- LCS (2442070-BS1) 8.00 98.9 70- Benzene 4.95 0.0250 5.00 98.9 70- Toluene 5.02 0.0250 5.00 100 70- Toluene 5.02 0.0250 5.00 101 70- Surrogate: 4.95 0.0250 5.00 101 70- Surrogate: 5.02 0.0250 5.00 101 70- Surrogate: 5.04 0.0250 5.00 101 70- Surrogate: 4.89 0.0250 15.0 102 70- Surrogate: 4.80 0.0250 10.0 101 70- Surrogate: 4.80 0.0250 5.00 ND 95.6 61- Toluene 5.01 </td <td>Prepared:</td> <td>: 10/15/24 A</td> <td>.nalyzed: 10/18/24</td>	Prepared:	: 10/15/24 A	.nalyzed: 10/18/24
ND 0.0250 o-Xylene ND 0.0250 p,m-Xylene ND 0.0250 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.94 8.00 99.3 70- LCS (2442070-BS1) Benzene 4.95 0.0250 5.00 100 70- Ethylbenzene 5.02 0.0250 5.00 100 70- Toluene 5.05 0.0250 5.00 101 70- Sylene 5.04 0.0250 5.00 101 70- o-Xylene 10.2 0.0500 10.1 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 102 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 102 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Surrogate: 4-Bromochlorobenzene-PID 8.06	Prepared:	: 10/15/24 A	.nalyzed: 10/18/24
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- LCS (2442070-BS1) Benzene 4.95 0.0250 5.00 98.9 70- Ethylbenzene 5.02 0.0250 5.00 100 70- Toluene 5.05 0.0250 5.00 101 70- o-Xylene 5.04 0.0250 5.00 101 70- o-Xylene 10.2 0.0500 10.0 102 70- total Xylenes 15.3 0.0250 15.0 102 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Source: E410146-09 101 70- Matrix Spike (2442070-MS1) Source: E410146-09 101 70- Matrix Spike (2442070-MS1) Source: E410146-09 101 70- Survgate: 4-Bromochlorobenzene-PID </td <td>Prepared:</td> <td>: 10/15/24 A</td> <td>.nalyzed: 10/18/24</td>	Prepared:	: 10/15/24 A	.nalyzed: 10/18/24
ND 0.0500 Total Xylenes ND 0.0500 Surrogate: 4-Bromochlorobenzene-PID 7.94 8.00 99.3 70- LCS (2442070-BS1) Benzene 4.95 0.0250 5.00 98.9 70- Ethylbenzene 5.02 0.0250 5.00 100 70- Toluene 5.05 0.0250 5.00 101 70- o-Xylene 5.04 0.0250 5.00 101 70- o-Xylene 10.2 0.0500 10.0 102 70- Totat Xylenes 15.3 0.0250 5.00 101 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Source: E410146-09 8 8 0.0250 5.00 ND 99.6 61- Totuene 5.01 0.0250 5.00 ND 99.6 61- Totuene 5.01 0.0250 5.00 ND 99.6 61-	Prepared:	: 10/15/24 A	.nalyzed: 10/18/24
ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.94 8.00 99.3 70- LCS (2442070-BS1) Benzene 4.95 0.0250 5.00 98.9 70- Ethylbenzene 5.02 0.0250 5.00 100 70- Toluene 5.05 0.0250 5.00 100 70- O-Xylene 5.04 0.0250 5.00 101 70- p.m-Xylene 10.2 0.0500 10.0 102 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Source: E410146-09 Source: E410146-09 Source: E410146-09 Benzene 4.89 0.0250 5.00 ND 97.8 54- Ethylbenzene 5.01 0.0250 5.00 ND 99.6 61- Totuene 5.02 0.0250 5.00 ND 99.6 61- Source: E410146-09 Source: E410146-09 Source: E410146-09 Source: E410146-09<	Prepared:	: 10/15/24 A	nalyzed: 10/18/24
Surrogate: 4-Bromochlorobenzene-PID 7.94 8.00 99.3 70- LCS (2442070-BS1) Benzene 4.95 0.0250 5.00 98.9 70- Ethylbenzene 5.02 0.0250 5.00 100 70- Toluene 5.05 0.0250 5.00 101 70- o-Xylene 5.04 0.0250 5.00 101 70- p.m-Xylene 10.2 0.0500 10.0 102 70- Total Xylenes 15.3 0.0250 5.00 101 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Source: E410146-09 5.01 0.0250 5.00 ND 97.8 54- Ethylbenzene 4.89 0.0250 5.00 ND 97.6 61- Totuene 5.01 0.0250 5.00 ND 99.6 61- Totuene 5.02 0.0250 5.00 ND	Prepared:	: 10/15/24 A	nalyzed: 10/18/24
Benzene 4.95 0.0250 5.00 98.9 70- 70 Ethylbenzene 5.02 0.0250 5.00 100 70- 70 Toluene 5.05 0.0250 5.00 101 70- 70 o-Xylene 5.04 0.0250 5.00 101 70- 70 p,m-Xylene 10.2 0.0500 10.0 102 70- 70 Total Xylenes 15.3 0.0250 15.0 102 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Source: E410146-09 8.00 101 70- Benzene 4.89 0.0250 5.00 ND 97.8 54- Ethylbenzene 4.98 0.0250 5.00 ND 99.6 61- Toluene 5.01 0.0250 5.00 ND 100 63- o-xylene 5.02 0.0250 5.00 ND 100 63- o-xylene 10.2	-	: 10/15/24 A	nalyzed: 10/18/24
Ethylbenzene 5.02 0.0250 5.00 100 70- Toluene 5.05 0.0250 5.00 101 70- o-Xylene 5.04 0.0250 5.00 101 70- o-Xylene 10.2 0.0500 10.0 102 70- Total Xylenes 15.3 0.0250 15.0 102 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Source: E410146-09 70- Benzene 4.89 0.0250 5.00 ND 97.8 54- Ethylbenzene 4.98 0.0250 5.00 ND 99.6 61- Toluene 5.01 0.0250 5.00 ND 100 63- o-Xylene 5.02 0.0250 5.00 ND 100 63- o-Xylene 10.2 0.0500 10.0 ND 102 63- o-Xylene 10.2 0.0500 10.0 ND 100 63- Surrogate: 4-Bromochlorobenzene-PID 8.08			
Ethylbenzene 5.02 0.0250 5.00 100 70- Toluene 5.05 0.0250 5.00 101 70- o-Xylene 5.04 0.0250 5.00 101 70- o-Xylene 10.2 0.0500 10.0 102 70- Total Xylenes 15.3 0.0250 15.0 102 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Surce: E410146-09 70- Benzene 4.89 0.0250 5.00 ND 97.8 54- Ethylbenzene 4.98 0.0250 5.00 ND 99.6 61- Toluene 5.01 0.0250 5.00 ND 100 63- -xylene 5.02 0.0250 5.00 ND 100 63- o-xylene 10.2 0.0500 10.0 ND 100 63- o-xylene 10.2 0.0500 10.0 ND 100 63- o-xylenes 15.2 0.0250	130		
Toluene 5.05 0.0250 5.00 101 70- o-Xylene 5.04 0.0250 5.00 101 70- o-Xylene 10.2 0.0500 10.0 102 70- Total Xylenes 15.3 0.0250 15.0 102 70- Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Source: E410146-09 70- Benzene 4.89 0.0250 5.00 ND 97.8 54- Ethylbenzene 4.98 0.0250 5.00 ND 99.6 61- Toluene 5.01 0.0250 5.00 ND 100 63- o-Xylene 5.02 0.0250 5.00 ND 100 63- nm-Xylene 10.2 0.0500 10.0 ND 102 63- total Xylenes 15.2 0.0250 15.0 ND 101 63- Surrogate: 4-Bromochlorobenzene-PID 8.08 8.00 101 70-	130		
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Surrogate: 4-Bromochlorobenzene-PID 8.06 8.00 101 70- Matrix Spike (2442070-MS1) Source: E410146-09 Source: E410146-09 <td></td> <td></td> <td></td>			
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Ethylbenzene 4.98 0.0250 5.00 ND 99.6 61- Toluene 5.01 0.0250 5.00 ND 100 61- o-Xylene 5.02 0.0250 5.00 ND 100 63- p,m-Xylene 10.2 0.0500 10.0 ND 102 63- Total Xylenes 15.2 0.0250 15.0 ND 101 63- Surrogate: 4-Bromochlorobenzene-PID 8.08 8.00 101 70-	133		
Solution 5.01 0.0250 5.00 ND 100 61- o-Xylene 5.02 0.0250 5.00 ND 100 63- p,m-Xylene 10.2 0.0500 10.0 ND 102 63- Total Xylenes 15.2 0.0250 15.0 ND 101 63- Surrogate: 4-Bromochlorobenzene-PID 8.08 8.00 101 70-			
o-Xylene 5.02 0.0250 5.00 ND 100 63- p,m-Xylene 10.2 0.0500 10.0 ND 102 63- Total Xylenes 15.2 0.0250 15.0 ND 101 63- Surrogate: 4-Bromochlorobenzene-PID 8.08 8.00 101 70-			
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Total Xylenes 15.2 0.0250 15.0 ND 101 63- Surrogate: 4-Bromochlorobenzene-PID 8.08 8.00 101 70-			
Surrogate: 4-Bromochlorobenzene-PID 8.08 8.00 101 70-			
Matrix Spike Dup (2442070-MSD1) Source: E410146-09			
	Prepared:	: 10/15/24 A	nalyzed: 10/18/24
Benzene 4.98 0.0250 5.00 ND 99.5 54-	-	20	-
Ethylbenzene 5.09 0.0250 5.00 ND 102 61-		20	
		20	
o-Xylene 5.12 0.0250 5.00 ND 102 63-		20	
	130 1.87	20	
p,m-Xylenes 10.5 0.0500 10.0 ND 103 03- Total Xylenes 15.5 0.0250 15.0 ND 103 63-	1301.871312.04		
Surrogate: 4-Bromochlorobenzene-PID 8.12 8.00 102 70-	1301.871312.041311.77	20	



QC Summary Data

		$\mathbf{x} \mathbf{v} \mathbf{v}$		ary Dat	~				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake So 23003-0002	uth Slot 1	ROW to S	Slot 2		Reported:
Dallas TX, 75240		Project Manager:		Ashley Gioveng	o				10/21/2024 12:50:50PM
	Noi	nhalogenated (Organic	s by EPA 801	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442070-BLK1)							Prepared: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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

		$\mathbf{x} \in \mathbf{v}$	••••••	ary Dau	•					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake South Slot 1 ROW to Slot 2 23003-0002					Reported:	
Dallas TX, 75240		Project Manager:		Ashley Gioveng	0				10/21/2024 12:50:50PM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: NV									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2442077-BLK1)							Prepared: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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

				v						
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	A Contraction of the second se				Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2442089-BLK1)							Prepared: 1	0/16/24 A	nalyzed: 10/16/24	
Chloride	ND	20.0								
LCS (2442089-BS1)							Prepared: 1	0/16/24 A	nalyzed: 10/16/24	
Chloride	253	20.0	250		101	90-110				
Matrix Spike (2442089-MS1)				Source: E410146-06 Prej			Prepared: 1	: 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					nalyzed: 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.


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

- 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

											Chair	n of C	ust	ody												Page
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Chain of Custody

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	e, Zip: Carls 575-988-005		88220_				ail: agiovengo@ensolu	m.com							i					-	SDWA CWA RCRA
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Refinauist	ed by (Signeru	re) A	Dat		Time	40	Received by: (Signature)		Date	14.24	Time	640				Rece		onic		ab Use	e Only
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Sample Ma	rix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aa	ueous, O - O	ther				Cont	ainer Typ	 pe: g -	glass,	p - p	l ooly/r		AVG c, ag -				A	
Note: San			after res			ess other a	arrangements are made. Haza	rdous sar	noles v	will be ret	urned	to clier	nt or i	dispos	sed of	at the	clien	t expe	co Tho r	enort f	or the analysis of the above

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. D	ate Received:	10/15/24 08	:00	Work Order ID:	E410146
Phone:	(972) 371-5200 D	ate Logged In:	10/14/24 16	:41	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com D	ue Date:	10/21/24 17	7:00 (4 day TAT)		
Chain of	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
<u>Sample '</u>	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
-	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re		Yes			
13 If no	minutes of sampling visible ice, record the temperature. Actual sample ter	moerature 4º	C			
	· · · · ·	inperature. <u>+ v</u>	<u>c</u>			
	Container_ aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		No NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La		s concetteur.	103			
	tield sample labels filled out with the minimum inform	ation				
	Sample ID?	lation.	Yes			
	Date/Time Collected?		Yes			
C	Collectors name?		Yes			
-	Preservation					
21. Does	the COC or field labels indicate the samples were press	erved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved meta	als?	No			
<u>Multiph</u>	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiphase?	,	No			
27. If yes	s, does the COC specify which phase(s) is to be analyze	d?	NA			
<u>Subcont</u>	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory?	•	No			
	a subcontract laboratory specified by the client and if so		NA S	Subcontract Lab: NA		
	nstruction					

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



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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 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

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



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 reguarding 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com



Page 294 of 396

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
SW36 - 0 - 4'	6
SW37 - 0 - 4'	7
SW38 - 0 - 4'	8
SW39 - 0 - 4'	9
SW40 - 0 - 4'	10
SW41 - 0 - 4'	11
SW42 - 0 - 4'	12
SW43 - 0 - 4'	13
SW44 - 0 - 4'	14
FS58 - 4'	15
FS59 - 4'	16
FS60 - 4'	17
FS61 - 4'	18
FS62 - 4'	19
FS63 - 4'	20
FS64 - 4'	21
FS65 - 4'	22
FS66 - 4'	23
FS67 - 4'	24
FS68 - 4'	25

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Table of Contents (continued)

FS69 - 4'	26
FS70 - 4'	27
FS71 - 4'	28
FS72 - 4'	29
FS73 - 4'	30
FS74 - 4'	31
FS75 - 4'	32
FS76 - 4'	33
FS77 - 4'	34
FS78 - 4'	35
QC Summary Data	36
QC - Volatile Organic Compounds by EPA 8260B	36
QC - Nonhalogenated Organics by EPA 8015D - GRO	38
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	40
QC - Anions by EPA 300.0/9056A	42
Definitions and Notes	44
Chain of Custody etc.	45

Sample Summarv

		Sample Sum	mary		
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		10/21/24 16:14
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
W36 - 0 - 4'	E410147-01A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W37 - 0 - 4'	E410147-02A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W38 - 0 - 4'	E410147-03A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W39 - 0 - 4'	E410147-04A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W40 - 0 - 4'	E410147-05A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W41 - 0 - 4'	E410147-06A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W42 - 0 - 4'	E410147-07A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W43 - 0 - 4'	E410147-08A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
W44 - 0 - 4'	E410147-09A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S58 - 4'	E410147-10A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
859 - 4'	E410147-11A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S60 - 4'	E410147-12A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
561 - 4'	E410147-13A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
562 - 4'	E410147-14A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
863 - 4'	E410147-15A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S64 - 4'	E410147-16A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
865 - 4'	E410147-17A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
566 - 4'	E410147-18A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S67 - 4'	E410147-19A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S68 - 4'	E410147-20A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S69 - 4'	E410147-21A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S70 - 4'	E410147-22A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S71 - 4'	E410147-23A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S72 - 4'	E410147-24A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
\$73 - 4'	E410147-25A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
574 - 4'	E410147-26A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S75 - 4'	E410147-27A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S76 - 4'	E410147-28A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S77 - 4'	E410147-29A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.
S78 - 4'	E410147-30A	Soil	10/11/24	10/15/24	Glass Jar, 2 oz.



	3	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	ger Lake Sou 03-0002 ley Giovengo	th Slot 1 ROW to Slo	ot 2	Reported: 10/21/2024 4:14:38PM
	5	SW36 - 0 - 4'				
		E410147-01				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
o,m-Xylene	ND	0.0500	1	10/15/24	10/19/24	
Fotal 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	
urrogate: Toluene-d8		108 %	70-130	10/15/24	10/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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/OR	O mg/kg	mg/kg	A	nalyst: AF		Batch: 2442078
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/24	10/17/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/15/24	10/17/24	
Gurrogate: n-Nonane		97.8 %	50-200	10/15/24	10/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: WF		Batch: 2442090
Chloride	117	20.0	1	10/16/24	10/18/24	





	r.	sample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Man	iber: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		SW37 - 0 - 4'					
		E410147-02					
		Reporting					
Analyte	Result	Limit	Dil	lution	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	
o,m-Xylene	ND	0.0500		1	10/15/24	10/19/24	
Fotal 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	
Dil 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	



		mpic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
	S	W38 - 0 - 4'					
]	E410147-03					
Analyte	Result	Reporting Limit	Dil	lution	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	



		mpic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Number Project Manage	r: 2300	ger Lake S)3-0002 ley Gioven		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
	S	W39 - 0 - 4'					
]	E410147-04					
Analyte	Result	Reporting Limit	Dil	ution	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	



		mpic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 230	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
	S	W40 - 0 - 4'					
]	E410147-05					
Analyte	Result	Reporting Limit	Di	lution	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	



		ampic D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ger Lake S)3-0002 ley Gioven		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
	S	W41 - 0 - 4'					
		E410147-06					
		Reporting	51		D		N
Analyte	Result	Limit	Dili	ution	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	



		imple D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
	S	W42 - 0 - 4'					
	-	E410147-07					
Analyte	Result	Reporting Limit	Dil	lution	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	
p-Xylene	ND	0.0250		1	10/15/24	10/19/24	
o,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	



		mpic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
	S	W43 - 0 - 4'					
]	E410147-08					
Analyte	Result	Reporting Limit	Dil	lution	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	



		imple D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
	S	W44 - 0 - 4'					
	-	E410147-09					
Analyte	Result	Reporting Limit	Di	lution	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

		umpie D					
Matador Resources, LLC.	Project Name	e: Dag	ger Lake S	outh Slo	ot 1 ROW to Slo	t 2	
5400 LBJ Freeway, Suite 1500	Project Numb	ject Number: 23003-0002					
Dallas TX, 75240	Project Mana	ager: Ash	ley Giover	igo			10/21/2024 4:14:38PM
		FS58 - 4'					
		E410147-10					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
-Xylene	ND	0.0250		1	10/15/24	10/19/24	
,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	
urrogate: Bromofluorobenzene		117 %	70-130		10/15/24	10/19/24	
urrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		10/15/24	10/19/24	
urrogate: 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	
Dil Range Organics (C28-C36)	ND	50.0		1	10/15/24	10/17/24	
urrogate: 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

	~	ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 2300	ger Lake S)3-0002 ley Gioven		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS59 - 4'					
		E410147-11					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-Xylene	ND	0.0250		1	10/15/24	10/19/24	
o,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	
Dil 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

	~	bample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 230	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS60 - 4'					
		E410147-12					
		Reporting					
Analyte	Result	Limit	Dil	lution	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	
p-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

		ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ger Lake S 03-0002 ley Giove		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS61 - 4'					
		E410147-13					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	10/15/24	10/19/24	
o,m-Xylene	ND	0.0500		1	10/15/24	10/19/24	
Fotal 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	
Dil 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

	~	ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS62 - 4'					
		E410147-14					
Analyte	Result	Reporting Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	10/15/24	10/19/24	
o,m-Xylene	ND	0.0500		1	10/15/24	10/19/24	
Fotal 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	
Dil 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

	~	ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
	, ,	FS63 - 4'	,	5			
		F 505 - 4 E410147-15					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	10/15/24	10/19/24	
p,m-Xylene	ND	0.0500		1	10/15/24	10/19/24	
Fotal 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	
Dil 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

	~	ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS64 - 4'					
		E410147-16					
Analyte	Result	Reporting Limit	Di	lution	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	
p-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

	2	ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS65 - 4'					
		E410147-17					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	10/15/24	10/19/24	
o,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

Page 315 of 396

		-						
Matador Resources, LLC.	Project Name: Dagger Lake South Slot 1 ROW to Slot 2				t 2			
5400 LBJ Freeway, Suite 1500	Project Numb	mber: 23003-0002			Reported:			
Dallas TX, 75240	Project Manager: Ashley Giovengo					10/21/2024 4:14:38PM		
		FS66 - 4'						
		E410147-18						
		Reporting						
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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			
p-Xylene	ND	0.0250	1	10/15/24	10/19/24			
p,m-Xylene	ND	0.0500	1	10/15/24	10/19/24			
Fotal 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	A	nalyst: 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	A	nalyst: AF		Batch: 2442078		
Diesel Range Organics (C10-C28)	95.4	25.0	1	10/15/24	10/17/24			
Dil 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	A	nalyst: WF		Batch: 2442090		
Chloride	4710	40.0	2	10/16/24	10/18/24			



Sample Data

		mpic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	ger Lake S 03-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS67 - 4'					
	-	E410147-19					
Analyte	Result	Reporting Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	10/15/24	10/19/24	
o,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 Project Numl Project Mana	ber: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS68 - 4'					
		E410147-20					
Analyte	Result	Reporting Limit	Di	lution	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	
p-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

		ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 2300	ger Lake S)3-0002 ley Gioven		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS69 - 4'					
		E410147-21					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
o,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	
Dil 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

	~	ample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS70 - 4'					
		E410147-22					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	10/15/24	10/18/24	
o,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

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	ger Lake S)3-0002 ley Gioven		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS71 - 4'					
		E410147-23					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-Xylene	ND	0.0250		1	10/15/24	10/18/24	
o,m-Xylene	ND	0.0500		1	10/15/24	10/18/24	
Fotal 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	
Dil 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

	~	sample D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Man	ber: 230	ger Lake S 03-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS72 - 4'					
		E410147-24					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-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

		imple D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS73 - 4'					
]	E410147-25					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	10/15/24	10/18/24	
o,m-Xylene	ND	0.0500		1	10/15/24	10/18/24	
Fotal 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	
Dil 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

Page	<i>323</i>	of 396
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Matador Resources, LLC.	Project Name						
5400 LBJ Freeway, Suite 1500	Project Numb	er: 2300	03-0002	Reported: 10/21/2024 4:14:38PM			
Dallas TX, 75240	Project Manag	ger: Ash	ley Gioven				
		FS74 - 4'					
		E410147-26					
		Reporting					
Analyte	Result	Limit	Dil	ution	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 Project Numb Project Mana	ber: 230	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM
		FS75 - 4'					
		E410147-27					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
o,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	
urrogate: 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	
urrogate: 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	
Dil 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

Project Name	, D ₂₂	* * * *				
Project Numb		ger Lake So)3-0002	t 2	Reported:		
•		ley Gioveng		10/21/2024 4:14:38PM		
	FS76 - 4'					
	E410147-28					
	Reporting					
Result	Limit	Dilut	tion Pre	pared	Analyzed	Notes
mg/kg	mg/kg	I	Analyst: BA			Batch: 2442069
ND	0.0250	1	10/	15/24	10/18/24	
ND	0.0250	1	10/	15/24	10/18/24	
ND	0.0250	1	10/	15/24	10/18/24	
ND	0.0250	1	10/	15/24	10/18/24	
ND	0.0500	1	10/	15/24	10/18/24	
ND	0.0250	1	10/	15/24	10/18/24	
	115 %	70-130	10/	15/24	10/18/24	
	96.2 %	70-130	10/	15/24	10/18/24	
	108 %	70-130	10/	15/24	10/18/24	
mg/kg	mg/kg	I	Analyst: BA			Batch: 2442069
ND	20.0	1	10/	15/24	10/18/24	
	115 %	70-130	10/	15/24	10/18/24	
	96.2 %	70-130	10/	15/24	10/18/24	
	108 %	70-130	10/	15/24	10/18/24	
mg/kg	mg/kg	I	Analyst: NV			Batch: 2442079
64.8	25.0	1	10/	15/24	10/17/24	
ND	50.0	1	10/	15/24	10/17/24	
	101 %	50-200	10/	15/24	10/17/24	
mg/kg	mg/kg	A	Analyst: IY			Batch: 2442092
2400	40.0	2	10/	16/24	10/16/24	
	Result mg/kg ND ND ND ND ND ND ND MD ND MD MD MD MD MD MD MD MD MD MD MD MD MD	Project Manager: Ashi FS76 - 4' E410147-28 Reporting Reporting Result Limit mg/kg mg/kg ND 0.0250 I15 % 96.2 % 108 % 96.2 % 108 % 108 % mg/kg mg/kg MD 20.0 115 % 96.2 % 108 % 108 % mg/kg mg/kg mg/kg 50.0 ND 50.0 101 % mg/kg mg/kg	Project Manager: Ashley Gioveng FS76 - 4' E410147-28 Reporting Reporting Result Limit Dilu mg/kg mg/kg mg/kg Ashley Gioveng ND Limit Dilu mg/kg mg/kg mg/kg Garage ND 0.0250 1 MD 0.0250 1 MD 20.0 1 I15 % 70-130 1 96.2 % 70-130 1 I08 % 70-130 1 ND 50.0 1 ND 50.0 </td <td>Project Manager: Ashley Giovengo FS76 - 4' E410147-28 Reporting Reporting Result Limit Dilution Pre mg/kg mg/kg Analyst: BA ND 0.0250 1 10/ MD 0.0250 1 10/ MD 20.0 1<td>Project Manager: Ashley Giovengo FS76 - 4' E410147-28 Reporting Reporting Analyst: BA Mp/kg mg/kg Analyst: BA ND 0.0250 1 10/15/24 MD 20.00 1 10/15/24 MD 20.01 1 10/15/24 MD 20.01 1 10/15/24 MD 20.01 1 10/15/24 MD 20.01 1 10/15/24 MD</td><td>Ashley Giovengo FS76 - 4' FS76 - 4' Reporting Reporting Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 10/15/24 10/18/24 ND 20.0 1 10/15/24 10/18/24 MD 20.0 1 10/15/24 10/18/24 MD 20.0 1 10/15/24 10/18/24 <td< td=""></td<></td></td>	Project Manager: Ashley Giovengo FS76 - 4' E410147-28 Reporting Reporting Result Limit Dilution Pre mg/kg mg/kg Analyst: BA ND 0.0250 1 10/ MD 0.0250 1 10/ MD 20.0 1 <td>Project Manager: Ashley Giovengo FS76 - 4' E410147-28 Reporting Reporting Analyst: BA Mp/kg mg/kg Analyst: BA ND 0.0250 1 10/15/24 MD 20.00 1 10/15/24 MD 20.01 1 10/15/24 MD 20.01 1 10/15/24 MD 20.01 1 10/15/24 MD 20.01 1 10/15/24 MD</td> <td>Ashley Giovengo FS76 - 4' FS76 - 4' Reporting Reporting Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 10/15/24 10/18/24 ND 20.0 1 10/15/24 10/18/24 MD 20.0 1 10/15/24 10/18/24 MD 20.0 1 10/15/24 10/18/24 <td< td=""></td<></td>	Project Manager: Ashley Giovengo FS76 - 4' E410147-28 Reporting Reporting Analyst: BA Mp/kg mg/kg Analyst: BA ND 0.0250 1 10/15/24 MD 20.00 1 10/15/24 MD 20.01 1 10/15/24 MD 20.01 1 10/15/24 MD 20.01 1 10/15/24 MD 20.01 1 10/15/24 MD	Ashley Giovengo FS76 - 4' FS76 - 4' Reporting Reporting Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 10/15/24 10/18/24 ND 20.0 1 10/15/24 10/18/24 MD 20.0 1 10/15/24 10/18/24 MD 20.0 1 10/15/24 10/18/24 <td< td=""></td<>



Sample Data

Sample Data								
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	ger Lake S)3-0002 ley Giover		ot 1 ROW to Slo	t 2	Reported: 10/21/2024 4:14:38PM	
		FS77 - 4'						
		E410147-29						
		Reporting	D.'				N	
Analyte	Result	Limit	Di	lution	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		
p-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

	6	ampic D	ala			
Matador Resources, LLC.	Project Name	e		uth Slot 1 ROW to Slo	ot 2	
5400 LBJ Freeway, Suite 1500	Project Number: 23003-00					Reported:
Dallas TX, 75240	Project Mana	ger: Ash	ley Gioveng	0		10/21/2024 4:14:38PM
		FS78 - 4'				
		E410147-30				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	ng/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	
p-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	A	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	A	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	
				1 . 117		

 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. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	23	ngger Lake So 003-0002		ROW to S	Slot 2		Reported:
Dallas TX, 75240		Project Manager:	As	shley Gioveng	o			10/	21/2024 4:14:38PM
		Volatile Organic	Compo	unds by EP	PA 82601	3			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442069-BLK1)							Prepared: 1	0/15/24 Ana	lyzed: 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	0.372		0.500		95.4	70-130			
surrogate: 1,2-Dichioroethane-a4 Surrogate: Toluene-d8	0.477		0.500		108	70-130			
surroguie. 10iuene-uo	0.341		0.500		100	70-150			
LCS (2442069-BS1)							Prepared: 1	0/15/24 Ana	lyzed: 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: 1	0/15/24 Ana	lyzed: 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: 1	0/15/24 Ana	lyzed: 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	
p-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

Metalan Deserver II C		QUBI		•		DOW	21-+ 2			
Matador Resources, LLC.		Project Name:		igger Lake So		Reported:				
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002							
Dallas TX, 75240		Project Manager:	As	hley Gioveng	0			10	/21/2024 4:14:38PM	
	V	olatile Organic	Сотро	ınds by EF	PA 82601	3			Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2442071-BLK1)							Prepared: 1	0/15/24 Ana	lyzed: 10/19/24	
Benzene	ND	0.0250					1		5	
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: 1	0/15/24 Ana	lyzed: 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: 1	0/15/24 Ana	lyzed: 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				
			0.500		93.8	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		20.0					
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.469 0.553		0.500		111	70-130				
				Source:		70-130	Prepared: 1	0/15/24 Ana	lyzed: 10/19/24	
Surrogate: Toluene-d8 Matrix Spike Dup (2442071-MSD1)	0.553	0.0250	0.500	ND	111 E410147- 96.8	70-130 10 48-131	1.11	23	lyzed: 10/19/24	
Surrogate: Toluene-d8 Matrix Spike Dup (2442071-MSD1) Benzene	0.553 2.42 2.54	0.0250 0.0250	0.500		111 E410147- :	70-130 10 48-131 45-135	1.11 1.91	23 27	lyzed: 10/19/24	
Surrogate: Toluene-d8 Matrix Spike Dup (2442071-MSD1) Benzene Ethylbenzene	0.553		0.500	ND	111 E410147- 96.8	70-130 10 48-131	1.11	23	lyzed: 10/19/24	
Surrogate: Toluene-d8	0.553 2.42 2.54	0.0250	0.500 2.50 2.50	ND ND	<i>111</i> E410147- 96.8 102	70-130 10 48-131 45-135	1.11 1.91	23 27	lyzed: 10/19/24	
Surrogate: Toluene-d8 Matrix Spike Dup (2442071-MSD1) Benzene Ethylbenzene Toluene	0.553 2.42 2.54 2.55	0.0250 0.0250	0.500 2.50 2.50 2.50	ND ND ND	<i>111</i> E410147- 96.8 102 102	70-130 10 48-131 45-135 48-130	1.11 1.91 0.995	23 27 24	lyzed: 10/19/24	
Surrogate: Toluene-d8 Matrix Spike Dup (2442071-MSD1) Benzene Ethylbenzene Toluene o-Xylene	0.553 2.42 2.54 2.55 2.67	0.0250 0.0250 0.0250	0.500 2.50 2.50 2.50 2.50	ND ND ND ND	111 E410147- 96.8 102 102 107	70-130 10 48-131 45-135 48-130 43-135	1.11 1.91 0.995 1.45	23 27 24 27	lyzed: 10/19/24	
Surrogate: Toluene-d8 Matrix Spike Dup (2442071-MSD1) Benzene Ethylbenzene Toluene p.m-Xylene p.m-Xylene Total Xylenes	0.553 2.42 2.54 2.55 2.67 5.29	0.0250 0.0250 0.0250 0.0500	0.500 2.50 2.50 2.50 2.50 5.00	ND ND ND ND	111 E410147- 96.8 102 102 107 106	70-130 10 48-131 45-135 48-130 43-135 43-135	1.11 1.91 0.995 1.45 2.03	23 27 24 27 27	lyzed: 10/19/24	
Surrogate: Toluene-d8 Matrix Spike Dup (2442071-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	0.553 2.42 2.54 2.55 2.67 5.29 7.96	0.0250 0.0250 0.0250 0.0500	0.500 2.50 2.50 2.50 2.50 5.00 7.50	ND ND ND ND	111 E410147- 96.8 102 102 107 106 106	70-130 10 48-131 45-135 48-130 43-135 43-135 43-135	1.11 1.91 0.995 1.45 2.03	23 27 24 27 27	lyzed: 10/19/24	



QC Summary Data

		$\mathbf{x} \circ \sim \mathbf{x}$		ary Date						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Dagger Lake So 23003-0002 Ashley Gioveng		ROW to S	Slot 2		Reported: 10/21/2024 4:14:38PM	
	No	onhalogenated O	rganic	s by EPA 801	15D - GI	RO		Analyst: BA		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2442069-BLK1)							Prepared: 1	0/15/24	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: 1	0/15/24	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:	E410143-0	07	Prepared: 1	0/15/24	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: 1	0/15/24	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				
	0.483		0.500		96.5	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.465		0.000		20.5	70 150				



QC Summary Data

		QC DI		lary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Dagger Lake So 23003-0002 Ashley Gioveng		ROW to S	Slot 2		Reported: 10/21/2024 4:14:38PM
	N	Analyst: BA							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442071-BLK1)							Prepared: 1	0/15/24	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: 1	0/15/24	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: 1	0/15/24	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: 1	0/15/24	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			
	0.593 0.457		0.500 0.500		119 91.4	70-130 70-130			

QC Summary Data

		QU D	umm	ary Data	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Dagger Lake South Slot 1 ROW to Slot 2 23003-0002				Reported:	
Dallas TX, 75240		Project Manager:	:	Ashley Gioveng	0				10/21/2024 4:14:38PM
	Nonh	alogenated Org	anics b	y EPA 8015E) - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442078-BLK1)							Prepared: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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

		$\mathbf{t} \in \mathbf{v}$	•••••	ary Dau	-				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		Dagger Lake So 23003-0002 Ashley Gioveng		ROW to S	Slot 2		Reported: 10/21/2024 4:14:38PM
Dallas IX, 75240		Project Manager:		Ashley Gloveng	,0				10/21/2024 4.14.381 M
	Nonha	alogenated Org	anics b	y EPA 8015E) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442079-BLK1)							Prepared: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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: 1	0/15/24 A	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

				v						
Matador Resources, LLC.		Project Name:		Dagger Lake South Slot 1 ROW to Slot 2				Reported:		
5400 LBJ Freeway, Suite 1500		Project Number:		3003-0002					10/01/0004 4 14 007	
Dallas TX, 75240		Project Manager	: А	shley Gioveng	go				10/21/2024 4:14:38	'M
		Anions	by EPA	300.0/9056 A	4				Analyst: WF	
Analyte		Reporting	Spike	Source		Rec		RPD		
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	t	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2442090-BLK1)							Proporade	0/16/24	Analyzed: 10/17/24	
· · · ·							riepaieu.	10/10/24	Allalyzed. 10/17/24	
Chloride	ND	20.0								
LCS (2442090-BS1)							Prepared:	0/16/24	Analyzed: 10/17/24	
Chloride	251	20.0	250		100	90-110				
Matrix Spike (2442090-MS1)				Source:	E410147-0	07	Prepared:	10/16/24	Analyzed: 10/18/24	
Chloride	629	20.0	250	368	105	80-120				
Matrix Spike Dup (2442090-MSD1)				Source:	E410147-0	07	Prepared:	10/16/24	Analyzed: 10/18/24	
Chloride	626	20.0	250	368	103	80-120	0.498	20		



QC Summary Data

		-		v					
Matador Resources, LLC.		Project Name:]	Dagger Lake So	outh Slot 1	ROW to S	Slot 2		Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	2	23003-0002					
Dallas TX, 75240		Project Manager	: /	Ashley Gioveng	go				10/21/2024 4:14:38PM
		Anions	by EPA	300.0/9056	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442092-BLK1)							Prepared: 1	0/16/24 A	nalyzed: 10/16/24
Chloride	ND	20.0							
LCS (2442092-BS1)							Prepared: 1	0/16/24 A	nalyzed: 10/16/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2442092-MS1)				Source:	E410147-2	27	Prepared: 1	0/16/24 A	nalyzed: 10/16/24
Chloride	2770	40.0	250	2450	126	80-120			M4
Matrix Spike Dup (2442092-MSD1)				Source:	E410147-	27	Prepared: 1	0/16/24 A	nalyzed: 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.



_		Demitions		
ſ	Matador Resources, LLC.	Project Name:	Dagger Lake South Slot 1 ROW to Slot 2	
l	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

						Chain of (Cust	ody											Page _2
	Clie	ent Inforn	nation		Invoid	ce Information	Lab Use Only								TAT		State		
	latador Pro	duction C	ompany		Company: Ensol			Lat	wO#		_	Job N Z3	-	er) 3D	Std	NM CO UT TX
	Sagge La			ot I poud to		ational Parks Hwy		E	+10 wo#	14		73	හිදු	,œ	r A			X	
	lanager: As			Slot 2		Carlsbad NM, 8822	0					A			A				
	3122 National Strates				Phone: 575-988	s-0055 go@ensolum.com		—		<u> </u>	- 1	Anal	iysis a		netn				EPA Program SDWA CWA RCRA
	75-988-005		00220		Miscellaneous:	go@ensolum.com													
	ziovengo@e		:om						5	S									Compliance Y or N
									× 80	y 80:	ភ	9	9: 0	Σ	×١	tals		F	PWSID #
Time	Date Sampled	Matrix	No. of Container	Sample Info	ormation Sample ID	<u> </u>	ield İlter	Lab Numbe		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks
Sampled	10/11/24	Sail	1		36 - 0-					<u> </u>	<u> </u>	3	o	×	<u>¥</u>	ž	1		
1351	10/11/02/		Í		37			Z						\mathbf{x}	╉	-			
1353		$\left \right $	$\left \right $		38			3	1										
1355			+		39			4					ť	$\overline{\mathbf{x}}$					
1540			+		40		-	5						$\widehat{\mathcal{A}}$			+		
1400		$\left \right $			21			6	+		-			\mathbf{x}	+				
1402			$\uparrow \uparrow$	_	42			7											
1404			$\left \right $		43			8			-			X					
1406					44+	/		9						X					
1107		$\left \right _{i}$	$\left \cdot \right _{L}$	F	558 4	1		10	+		-		ſ	\times	1				
	al Instruction	ons: Ple	ase CC:		m.com, agiovengo@e		milto	n@ensc	olum.c	om, ie	estre	ella@	enso	<u>/ l</u> um.	com				
	10	ne validity an	d authenti	ity of this sample. I am a	aware that tampering with or	intentionally mislabeling	the sa	mple location	on, date	or time o	of col	lection	is con	sidered	fraud	and may	be grou	nds for l	legal action.
Relinguish					:15 Beceived by: (5)	gnature)	Date	~14.14		218						-			st be received on ice the day they are temp above 0 but less than 6 °C on
Relinguish	ad by: (Signat	ure)	Da	Time .	40 Received by: (Si	gnature)	Date		Time	40	_			Recei		on ice:			e Only
Relidquished by: (Signature)					HS AND	there now	Date		Time	201		÷.,	el p				ىرىد ت	<i>•</i> 7 11	та
	ed by: (Signati	ure)		te Time	Received by: (Si	gnature)	Date		Time				T1 T2 T3 AVG Temp °C						
				ueous, O - Other	I			itainer Ty					lastic	;, ag -	ambe	er glass			
Note: Sam	ples are discar	ded 14 day	s after re	ults are reported unle	ess other arrangements ar tory with this COC. The lial	e made. Hazardous sa	mples	will be re	turned	to clien	toro	tispos	ed of	at the	client	expens	e. The re	eport f	or the analysis of the above

						Chain	of Cus	stody				2	230	03-	ta	zc	m w	Page
	C	ient Info	rmatio	n		Invoice Informatio	n		Lab Use Only								TAT	State
	latador Pr					mpany: Ensolum LLC		L	ab W	0#		Job	Num	ber		1D 2	D 3D Std	NM CO UT TX
Project:	regent	Lake:	South	Slot P		dress: 3122 National Parks			END	14-	7	OH	0				X	
	lanager:					y, State, Zip: Carlsbad NM,	88220		F		-	4.00	alucia	and	Mat	had		EDA Drogram
	3122 Nat e, Zip: Ca		the second second second second second second second second second second second second second second second s	A state of the sta		one: 575-988-0055 nail: agiovengo@ensolum.	com		-	-	-	Ana	alysis	and	wet	noa	TT	EPA Program SDWA CWA RCRA
	75-988-0		VI, 0022	.0	and the second se	cellaneous:	com											
	giovengo		n.com							2 4	2							Compliance Y or N
										oy 8015	21	0	0.0	Σ	TX	tals		PWSID #
		-		Sam	ole Informati	on		J		1 OHO	oy 80	y 826	de 30	C - N	- 500	8 Me		Domorlus
Time Sampled	Date Sample	ed Matri		o, of ainers		Sample ID	Field	Lab Lab	ber 2	CIUS VI ORO DY SUIS	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		Remarks
1109	10/11/2	4 507			FS 59	- 4'		11						X				
1110					60			12	,					X				
1112					61			13	5					X				
1114					62	_		14	ł					X				
1115					62			15	5					X				
1119					62	ł		14	0					X				
1121					64	5		17	-					X				
1125					6	6		18						X				
1125					6	7		19						X				
1126					1 6	58		22	C					X				
Addition	al Instruc	tions: P	Please C	C: cburton@e	nsolum.com	agiovengo@ensolum.com,	iestrell	a@enso	olum.c	com,	bdeal	@ens	solun	n.con	n, cha	amilto	n@ensolum	n.com,
osimmo	ns@ensol	um.com	and suit	anticity of this is	le l'ameurate	at tampering with or intentionally misla	heling the	cample les	ation d	ate or t	time of a	ollectio	on is co	nsidar	od frau	dandma	v he grounds fo	r legal action
ampled by	10.	1	and autre	Diwale	A	it tampering with or intentionally misia	being the	sample loc	ation, u	ateori	unie or c	onectic		insidere	sunau	u anu ma	ly be grounds to	
Relinquish	ed by: (Sign	ature)	into	Date 10/14/24	Time DS:15	Received by: (Signature)	les li	te)14.2	y Ti	me D8	15	1		sample		ceived pac		ust be received on ice the day they are g temp above 0 but less than 6 $^\circ C$ on
Relinguish	ed by (Sign	ature)	0	Date 101424	Time 1640	Received by: (Signature)	Da		Ti	me 16.4	10			Sunse	ALIPHILL.	on ice		se Only N
Relinquish	ed by: (Sign	ature)		Date	Time	Regelived by: (Sphature) MC	Da	te	Tin Tin	me	20			1000			0	
1.X				10.14.24	2245		a 11	0.15.2	44	0.1	0			<u>T1</u>	_	-	<u>T2</u>	<u>T3</u>
Relinquished by: (Signature) Date Time			Time	Received by: (Signature)	Da	te	Ti	me				AVG	i Ten	amp°c 4				
				- Aqueous, O - Oth										ic, ag	amb	or glac	s, v - VOA	
Note: Sam	ples are disc				ted unless othe laboratory with	r arrangements are made. Hazardo		es will be							e clier	t expen	se. The report	for the analysis of the above

1.1

Chain of Custody

	Clie	nt Inform	nation		Invoice Inform	ation			Lab	Use	On	ly				TAT		State
lient: I	Aatador Prod	luction C	ompany	+1 n. II	Company: Ensolum LLC		Lab V	NO#	1115		ob N	Num	ber	2	1D 2	2D 3D 5		NM CO UT TX
	Manager: As			to slot2	Address: 3122 National Pa City, State, Zip: Carlsbad N	The second second second second second second second second second second second second second second second se	FA	110	14=	TK	_50	120	000	C			X	
	3122 Nation				Phone: 575-988-0055						Anal	lysis	and	Met	hod			EPA Program
	e, Zip: Carls		88220		Email: agiovengo@ensol	um.com											S	DWA CWA RCR.
	575-988-005 giovengo@e		om		Miscellaneous:												C	ompliance Y or
	giovengowe	115010111.0	UII						y 8015	-		0.0	-	×	sla			WSID #
				Sample Inf	ormation		-	DRO b	DRO by	oy 802	y 826(de 300	C - NA	005 - T	8 Met			Domorka
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field Filter n N	.ab mber	DRO/ORO	GRO/DRO	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		_	Remarks
1129	10/11/24	Soil	1	FS	69 - 4'	2	1						X					
1133		1			70	2	2						X					
1134					71		3						X					
1137					72	2							X					
1139					73	2	1						X					
1142					74		2						X					
					75	2							V					
1145					76					-			X					
1148					77	25		-	-				V				-	
1153						20			-		-		1 v					
	Y	W Pla		hurton@oncolu	78 m.com, agiovengo@ensolum.c			com	bdo	210	onsc	alum	~	cha	amilto	n@ensol	lum c	
bsimmo	ns@ensolun	n.com																
(field san ampled b	1	1 .	d authenticit	1 1	aware that tampering with or intentionally γ	mislabeling the sample l	location,	date o	r time o	of colle	ection	n is con	sidere	d frau	d and m	ay be ground	ds for leg	gal action.
Relinquis	ned by: (Signatu	re)	Date	Time	:15 Received by: (Signature)	gales Date	14	Time 08	15									be received on ice the day they are mp above 0 but less than 6 °C on
Relinquished by: (Signature) Date Time Received by: (Signature)				Date	1	Time					subsea			0	b Use	Only		
Relinquished by: (Signature) Date Time Received by: (Signature)				10.14 Date	- 44	Time	40				Rece	eived	l on ice		// N			
1. H. 10.14.24 2245 Bith Ma			a 10.15	.24	8:	a	2			<u>T1</u>			<u>T2</u>	_	<u>T3</u>			
elinquis	ned by: (Signatu	re)	Date	e Time	Received by: (Signature)	Date	10	Time					AVG	Tem	n°C	4	2	ð
	trix: S - Soil, Sd - S											lastic	c, ag -	amb	per glas	s, v - VOA		10100
Note: Sar	ples are discar	ded 14 day	s after resu	Its are reported unl	ess other arrangements are made. Has tory with this COC. The liability of the	ardous samples will I	be return	ned to	client	t or d	ispos	ed of	at the	clien	nt exper	se. The rep	port for	the analysis of the above

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

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	f Custody (COC)						
	the sample ID match the COC?		Yes				
2. Does t	the number of samples per sampling site location mate	h the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was th	he COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes	_		<u>Commen</u>	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	, was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was ti	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are		Yes				
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample t	emperature: 4º	C				
		emperature. <u>+</u>	<u>c</u>				
	Container aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field La							
	e field sample labels filled out with the minimum infor	mation:					
	Sample ID?		Yes				
	Date/Time Collected?		Yes	L			
	Collectors name?		Yes				
	Preservation	10					
	s the COC or field labels indicate the samples were pre	eserved?	No				
	sample(s) correctly preserved?	stolo?	NA N-				
∠4. IS lat	b filteration required and/or requested for dissolved me	51a1S (No				
	ase Sample Matrix	0					
	s the sample have more than one phase, i.e., multiphase		No				
26. Does	1 1 000 10 11 1 10 1						
26. Does	s, does the COC specify which phase(s) is to be analyz	zed?	NA				
26. Does 27. If yes Subcont	ract Laboratory		NA				
 26. Does 27. If yes Subcont 28. Are s 		y?	NA No				

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



•



APPENDIX E

NMSLO Cultural Resources Cover Sheet

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



Stephanie Garcia Richard, Commissioner of Public Lands State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

Exhibit Type (select one)

(if applicable)

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:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

Acknowledgment-Only:

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

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

From:	Wells, Shelly, EMNRD
То:	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<u>|Shelly.Wells@emnrd.nm.gov</u> 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
То:	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<u>|Shelly.Wells@emnrd.nm.gov</u> 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
То:	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<u>|Shelly.Wells@emnrd.nm.gov</u> 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

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All,

Matador Production Company (Matador) is requesting an extension for the current deadline of

July 22, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Dagger Lake South Slot 1 ROW to Slot 2 (Incident Number nAPP2411327945). The release occurred on April 21, 2024, and lateral delineation and vertical delineation sampling to the strictest criteria per NMOCD Table I has been completed at the Site. A scope of work (SOW) for bid request has been completed and Matador is in the process of selecting a sub-contractor to begin remediation and confirmation sampling activities. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until October 20, 2024. Please let me know if you have any further questions regarding this site.

Thanks,



Ashley Giovengo Senior Scientist 575-988-0055 Ensolum, LLC in f X

"Your authenticity is your superpower." – Unknown

From:	Wells, Shelly, EMNRD
То:	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
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[**EXTERNAL EMAIL**]

Hi Ashley,

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Kind regards,

Shelly

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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

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All,

Matador Production Company (Matador) is requesting an extension of the current deadline of October 21, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Dagger Lake South Slot 1 ROW to Slot 2 (Site) (Incident Number nAPP2411327945). The release occurred on April 21, 2024, and lateral and vertical delineation sampling to the strictest Closure Criteria per NMOCD Table I has been completed at the Site. The release occurred off-pad, in a pipeline right-of-way (ROW) and on State Trust Land managed by the New Mexico State Land Office (NMSLO). Since the release occurred on State Land, a Right-of-Entry Permit and ARMS review were required prior to beginning the excavation. Excavation of the subject matter release began on September 25, 2024, and the anticipated completion date is 10/11/2024. Matador intends to submit a remediation work plan or closure report, upon receiving/reviewing final laboratory analytical results from confirmation sampling activities. Matador respectfully requests a 90-day extension until January 21, 2024.

Thanks,



Ashley Giovengo Senior Scientist 575-988-0055 Ensolum, LLC in f X

"Your authenticity is your superpower." – Unknown

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Page1352eof 396 QUESTIONS

Action 335813

QUESTIONS

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

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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 attach all information needed for closure evaluation in the follow-up C-141 submission.		

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

ACKNOWLEDGMENTS

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

ACKNOWLEDGMENTS

$\overline{\mathbf{V}}$	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.		
M	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.		
	l 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.		
	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.		
V	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.		
M	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.		

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

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

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

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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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

Page 357cof 396

Action 336207

QUESTIONS

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

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. Cause: Human Error | Pipeline (Any) | Produced Water | Released: 2,631 BBL | Recovered: Produced Water Released (bbls) Details 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 Volume is currently unknown, we will be out this morning 4/22/24 to get a better Other, Specify, Unknown, and/or Fire, or any negative lost amounts) understanding of the contaminated area and will update when submitting the C-141.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	336207
	Action Type:
	[C_141] Initial C_141 (C_141-v_Initial)

QUESTIONS

Initial Response

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.	
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.

The responsible party must undertake the following actions immediately unless they could create a s	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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for relea	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by 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. Name: Clint Talley off to the ab Title: Assistant Foreman ط من

Email: clinton.talley@matadorresources.com Date: 04/22/2024
--

QUESTIONS, Page 2

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

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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 (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	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 elease discovery date. What is the shallowest depth to groundwater beneath the area affected by the

What method was used to determine the depth to ground water Not answered. Did this release impact groundwater or surface water Not answered. A continuously flowing watercourse or any other significant watercourse Not answered. A not coupied permanent residence, school, hospital, institution, or church Not answered. A no coupied permanent residence, school, hospital, institution, or church Not answered. Any other fresh water well used by less than five households for domestic or stock watering purposes Not answered. Any other fresh water well on spring Not answered. Avetland Not answered. A subsurface mine Not answered. An (non-karst) unstable area Not answered. An (non-karst) unstable area Not answered. A tota supered. Not answered. A uotage the risk of this well / site being in a karst geology Not answered. A todo-year floodplain Not answered. A todo-year floodplain Not answered. Not answered. <td< th=""><th>release in feet below ground surface (ft bgs)</th><th>Not answered.</th></td<>	release in feet below ground surface (ft bgs)	Not answered.
What is the minimum distance, between the closest lateral extents of the release at the following surface areas: Not answered. 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 subsurface mine Not answered. An (non-karst) unstable area Not answered. A to0-year floodplain Not answered. Did the release impact areas not on an exploration, development, production, or Not answered.	What method was used to determine the depth to ground water	Not answered.
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. 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 Not answered.	Did this release impact groundwater or surface water	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. A 100-year floodplain Not answered. Did the release impact areas not on an exploration, development, production, or Not answered.	What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
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 Not answered.	A continuously flowing watercourse or any other significant watercourse	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 Not answered.	Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
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 Not answered.	An occupied permanent residence, school, hospital, institution, or church	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 Not answered.		Not answered.
A wetland Not answered. A subsurface mine Not answered. An (non-karst) unstable area 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 Not answered.	Any other fresh water well or spring	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 Not answered.	Incorporated municipal boundaries or a defined municipal fresh water well field	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 Not answered.	A wetland	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 Not answered.	A subsurface mine	Not answered.
A 100-year floodplain Not answered. Did the release impact areas not on an exploration, development, production, or	An (non-karst) unstable area	Not answered.
Did the release impact areas not on an exploration, development, production, or	Categorize the risk of this well / site being in a karst geology	Not answered.
Not answord	A 100-year floodplain	Not answered.
		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.

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

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

CONDITIONS

Created By		Condition Date
scwells	None	4/22/2024

Page 360 of 396

Action 336207

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CONDITION
811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS

Action 385964

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

QUESTIONS

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

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

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

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

CONDITIONS

Page1362eof 396

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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

Page1363eof 396

QUESTIONS

Action 385968

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

QUESTIONS

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

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

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

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

CONDITIONS

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

Page1365eof 396

QUESTIONS

Action 385969

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

QUESTIONS

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

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		

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

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

Page 1366e of 396

Action 385969

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District III

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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

Page1367eof 396

QUESTIONS

Action 385970

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

QUESTIONS

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

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		

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

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

CONDITIONS			
Create	ed By	Condition	Condition Date
j_tou	uchet	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

CONDITIONS

Page1368eof 396

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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 District IV

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

Page 1369eof 396

QUESTIONS

Action 385973

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

QUESTIONS

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

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	

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

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

CONDITIONS

Action 385973

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Page 1370 of 396

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

Page 137 Jeof 396

QUESTIONS

Action 385978

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

QUESTIONS

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

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	

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

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

Page1372eof 396

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

Page1373eof 396

QUESTIONS

Action 385980

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

QUESTIONS

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

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	

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

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

CONDITIONS

Page1374eof 396

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

Page1375eof 396

QUESTIONS

Action 389399

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

QUESTIONS

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

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

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

CONDITIONS

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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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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

Page13/7/2005 396

QUESTIONS

Action 389402

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

QUESTIONS

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 Informatio	n	
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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	NA	
Please provide any information necessary for navigation to sampling site	32.400222, -103.5985181	

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

CONDITIONS

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

Page1378eof 396

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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

Page1379eof 396

QUESTIONS

Action 389406

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

QUESTIONS

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

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	

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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

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

CONDITIONS

Page 1380 of 396

Action 389406

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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

Page 138 1eof 396

QUESTIONS

Action 389412

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

QUESTIONS

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

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

CONDITIONS

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

CONDITIONS			
Create	ed By	Condition	Condition Date
j_tou	uchet	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

Page1382eof 396

Action 389412

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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

Page1383eof 396

QUESTIONS

Action 390479

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

QUESTIONS

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

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

CONDITIONS

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

CONDITIONS

Page 1384eof 396

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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS

Action 390481

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

QUESTIONS

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	n	
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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	

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Page1387eof 396

QUESTIONS

Action 390484

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

QUESTIONS

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

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

CONDITIONS

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

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

Page 389 of 396

QUESTIONS

Action 400290

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

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

[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Action Type:

Page 390 of 396

QUESTIONS, Page 2

Action 400290

QUESTIONS (co	ntinued)
	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	400290

QUESTIONS

Operator:

Nature and Volume of Release (continued)	
No, according to supplied volumes this does not appear to be a "gas only" report.	
Yes	
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
	Not answered. ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation 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

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 (continued)

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

QUESTIONS

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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

appropriate district office no later than 90 days after the release discovery date.
Yes
ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Yes
No
rams per kilograms.)
9730
2364
1490
0
0
forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
09/25/2024
10/11/2024
10/11/2024
26152
5300
26152
5300
me of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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

Page	<i>392</i>	of 396
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QUESTIONS, Page 4

Action 400290

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

QUESTIONS

Remediation Plan (continued)

his remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
o report and/or file certain release notifications and perform corrective actions for relea ne OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or

local laws and/or regulations.

	Name: Jason Touchet
I hereby agree and sign off to the above statement	Title: EHS Field Rep
Thereby agree and sign on to the above statement	Email: jason.touchet@matadorresources.com
	Date: 11/07/2024
The OCD reservices that preserves remediation measures may have to be minimally educed in secondance with the physical restition presuntered during remediation. If the responsible party has any need to	

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.

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 5

Action 400290

Page 393 of 396

QUESTIONS	(continued)
QUESTIONS	(conunueu)

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

QU	EST	IONS
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eferral 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

Page 394 of 396

QUESTIONS (continued)

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

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.		
	Name: Jason Touchet	

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

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QUESTIONS (continued)

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

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

Action 400290

Page 395 of 396

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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

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

CONDITIONS

Created By Condition scwells None

CONDITIONS

Action 400290

Condition Date

11/13/2024