E N S O L U M

October 11, 2024

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

Re: Closure Request 12" 4-Way Riser ROW Incident Number: nAPP2412354447 & nAPP2413036737 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 to address two produced water releases at the 12" 4-Way Riser Right-of Way (ROW; 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 Numbers nAPP2412354447 & nAPP2413036737.

BACKGROUND

The Site is located in Unit A, Section 06, Township 22 South, Range 33 East, in Lea County, New Mexico (32.42785°, -103.60404°) 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 May 2, 2024, a leaking valve on a produced water transfer line resulted in the release of approximately 54 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 15 bbls of produced water was 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 May 5, 2024, and the release was assigned Incident Number nAPP2412354447.

On May 8, 2024, excess pressure built up in the same produced water transfer line, and approximately 100 barrels (bbls) of produced water were released. Maverick recovered 5 bbls from the ground surface. Matador reported the release using the NMOCD Portal on May 14, 2024, and the release was assigned Incident Number nAPP2413036737. The two releases overlapped and Matador addressed impacted soil from the two releases concurrently.

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 105 feet below ground surface (bgs) based on a soil boring completed by Atkins Engineering Associates Inc. The soil boring CP-01881

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POD1 was completed on October 12, 2021. Soil boring, CP-01881 POD1 is located approximately 0.35 miles south of the Site. The soil boring was drilled to a total depth of 105 feet bgs and was dry. There are no regional or Site-specific hydrological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. The location of the boring is presented on Figure 1 and the referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater pond, located approximately 1,473 feet south 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 that was 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 May 2, 2023, Ensolum personnel were onsite to delineate the extent of waste-containing soil as indicated by field screening and laboratory analytical results. Seven boreholes (BH01 through BH07) were advanced via hand auger within the release extent to assess the vertical extent of the release. Delineation soil samples were collected from each at depths ranging from ground surface to 4 feet bgs. Nine delineation soil samples (SS01 through SS09) were collected from areas surrounding the release extent to verify the lateral extent at ground surface. 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.

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LABORATORY ANALYTICAL RESULTS

All lateral delineation soil samples were in compliance with the Closure Criteria and reclamation requirement at ground surface. Laboratory analytical results for delineation soil samples collected from boreholes BH03 and BH07 were in compliance with the Closure Criteria and reclamation requirement. Surface samples collected from boreholes BH01, BH02, BH04, BH05, and BH06 contained TPH and/or chloride concentrations exceeding the reclamation requirement. The subsurface samples collected from the borings were in compliance with the Closure Criteria and requirement.

As a result, waste-containing soil was identified in the top 4 feet of the pasture area and excavation was necessary to support reclamation requirements. 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 that the release area was negative for cultural properties, and as such, the Cultural Properties Protection Rule (CPP) has been followed (see Appendix E).

The excavation of impacted soil 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 chloride utilizing test strips. The excavation depth was variable, depending on field screening results and ranged from 0.5 feet to 4 feet bgs. Photographic documentation of excavation activities is included in Appendix C.

Beginning on September 11, 2024, 5-point composite confirmation samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples SW01 through SW24 were collected from the sidewalls of the excavation in the top four feet of the subsurface, with depths depending on excavation dimensions at each location. Composite soil samples FS01 through FS105 were collected from the floor of the excavation at depths ranging from 0.5 feet to 4 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above.

The final excavation extent measured approximately 18,872 square feet. A total of approximately 2,331 cubic yards of waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at the Lea Land Disposal Facility. The excavation extent and excavation soil sample locations are presented in Figures 3A through 3C.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation sidewall samples SW01 through SW24 and excavation floor samples FS01 through FS105 indicated all COC concentrations were compliant with the Site Closure Criteria and in compliance with the reclamation requirement. Laboratory analytical results are summarized in Tables 2 and 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 subsurface that was 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 proposes reclamation of the excavated area:

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- 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: Kermit soils and Dune Land, 0 to 12 percent slopes and Tonuco loamy 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 November 27, 2023;
- 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:
 - o 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.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the May 2024 release of produced water. Following remediation efforts, 105 composite confirmation floor soil samples (FS01 through FS105) and 24 composite confirmation sidewall samples (SW01 though SW24) were collected. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with Site Closure Criteria and with the reclamation requirement in the top 4 feet of soil. Based on the soil sample analytical results, no further remediation was required. Reclamation will be completed as described above.

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Based on horizontal and vertical delineation sampling, depth to groundwater greater than 105 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 Numbers nAPP2412354447 & nAPP2413036737.

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, P.G. (license in WY & TX) Senior Managing Geologist

cc: Jason Touchet, Matador NMSLO

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Excavation Soil Sample Locations
- Table 1
 Soil 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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Matador Production Company 12" 4-Way Riser ROW Incident Numbers: nAPP2412354447 & nAPP2413036737 Unit A, Section 06, T 22S, R 33E Lea County, New Mexico

Environmental, Engineering and Hydrogeologic Consultants







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Legend



Confirmation Soil Sample in Compliance with Site Closure Criteria Confirmation Sidewall Soil Sample in Compliance with Site Closure Criteria

Excavation Extent



Confirmation Soil Sample Locations

Matador Production Company 12" 4-Way Riser ROW

Unit A, Sec 06, T 22S, R 33E Eddy County, New Mexico



Incident Number: nAPP2412354447 & nAPP2413036737



TABLES

ENSOLUM

				12 Matado	TABLE 1 LE ANALYTICA " 4-Way Riser RC or Production Co County, New Me	OW 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
				Delin	eation Soil San	nples				
SS01	5/20/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	68.5
SS02	5/20/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	106
SS03	5/20/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	28.2
SS04	5/20/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	44.5
SS05	5/20/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	127
SS06	5/20/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS07	5/20/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	42.4
SS08	5/20/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	321
SS09	5/20/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	396
BH01	5/21/2024	0	<0.0250	0.192	<20.0	5,790	2,090	5,790	7,880	7,720
BH01	5/21/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	32.0
BH02	5/21/2024	0	<0.0250	<0.0250	<20.0	25.5	<50.0	25.5	25.5	6,450
BH02	5/21/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	169
BH03	5/21/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	58.7
BH03	5/21/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH04	5/21/2024	0	<0.0250	<0.0250	<20.0	142	62.1	142	204.1	2,900
BH04	5/21/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	22.7
BH05	5/21/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	3,730
BH05	5/21/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	51.3
BH06	5/21/2024	0	<0.0250	<0.0250	<20.0	335	145	335	480	2,960
BH06	5/21/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	42.3
BH07 BH07	5/21/2024 5/21/2024	0 1	<0.0250 <0.0250	<0.0250 <0.0250	<20.0 <20.0	27.9 <25.0	<50.0 <50.0	27.9 <20.0	27.9 <20.0	190 34.5

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

				12 Matado	TABLE 2 LE ANALYTICA " 4-Way Riser RC or Production Co County, New Me)W 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
				Confr	imation Soil Sa	mples				
FS01	9/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.2
FS02	9/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	286
FS03	9/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	516
FS04	9/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	499
FS05	9/11/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	466
FS06	9/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	309
FS07	9/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,420
FS08	9/12/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,280
FS09	9/12/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	299
FS10	9/12/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	364
FS11	9/12/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	126
FS12	9/12/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.5
FS13	9/12/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	159
FS14	9/12/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	93.8
FS15	9/12/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.2
FS16	9/13/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.9
FS17	9/13/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.7
FS18	9/13/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.6
FS19	9/13/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.8
FS20	9/13/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS21	9/13/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.4
FS22	9/13/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.8
FS23	9/13/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	73.1
FS24	9/13/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.0
FS25	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	329
FS26	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.8
FS27	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.9
FS28	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	80.8
FS29	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
FS30	9/16/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	152
FS31	9/16/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103
FS32	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149



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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
				Confr	imation Soil Sa	mples				
FS33	9/16/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	168
FS34	9/16/2024	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	108
FS35	9/16/2024	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82.9
FS36	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.5
FS37	9/17/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.1
FS38	9/17/2024	4	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,940
FS39	9/17/2024	4	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,760
FS40	9/17/2024	4	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,290
FS41	9/17/2024	4	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,430
FS42	9/17/2024	4	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,270
FS43	9/16/2024	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	317
FS44	9/16/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	113
FS45	9/17/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	388
FS46	9/17/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	251
FS47	9/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	170
FS48	9/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	96.9
FS49	9/17/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.2
FS50	9/17/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.4
FS51	9/17/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.0
FS52	9/17/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.4
FS53	9/17/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,680
FS54	9/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,880
FS55	9/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,310
FS56	9/19/2024	4	<0.0250	<0.0500	<20.0	56.9	<50.0	56.9	56.9	334
FS57	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	700
FS58	9/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104
FS59	9/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	339
FS60	9/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.8
FS61	9/19/2024	4	<0.0250	<0.0500	<20.0	65.7	55.0	65.7	120.7	518
FS62	9/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	121
FS63	9/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
FS64	9/19/2024	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0



			s	Matad	TABLE 2 IALYTICAL RES IALYTICAL RES ''' 4-Way Riser RG or Production Co County, New Me	DW ompany	ed			
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
				Confr	imation Soil Sa	mples				
FS65	9/19/2024	1	<0.0250	<0.0500	<20.0	53.4	<50.0	53.4	53.4	69.2
FS66	9/19/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	96.1
FS67	9/19/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	109
FS68	9/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.0
FS69	9/19/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS70	9/19/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.4
FS71	9/23/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	137
FS72	9/19/2024	4	<0.0250	<0.0500	<20.0	358	195	358	553	892
FS73	9/23/2024	4	<0.0250	<0.0500	<20.0	728	376	728	1,104	2,550
FS74	9/23/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	136
FS75	9/19/2024	4	<0.0250	<0.0500	<20.0	70.4	<50.0	70.4	70.4	535
FS76	9/19/2024	4	<0.0250	<0.0500	<20.0	259	139	295	398	1,490
FS77	9/23/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	273
FS78	9/19/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	60.8
FS79	9/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS80	9/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.2
FS81	9/23/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.8
FS82	9/23/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.4
FS83	9/23/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	208
FS84	9/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS85	9/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	283
FS86	9/23/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	186
FS87	9/23/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	70.9
FS88	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS89	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	419
FS90	9/19/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS91	9/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.5
FS92	9/19/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS93	9/23/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.1
FS94	9/20/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	284
FS95	9/23/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.1
FS96	9/19/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.3



	TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS - Continued 12" 4-Way Riser ROW 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		
				Confr	imation Soil Sa	mples	•					
FS97	9/23/2024	1	<0.0250	<0.0500	<20.0	46.6	<50.0	46.6	46.6	236		
FS98	9/23/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.3		
FS99	9/23/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	111		
FS100	9/23/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
FS101	9/23/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.1		
FS102	9/23/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.3		
FS103	9/23/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	121		
FS104	9/23/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.4		
FS105	9/23/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

ENSOLUM BNSOLUM

				12 Matado	TABLE 3 LE ANALYTICA " 4-Way Riser RC or Production Co County, New Me)W 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
				Sid	ewall Soil Sam	oles				
SW01	9/11/2024	0-4	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.0
SW02	9/11/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	290
SW03	9/11/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	137
SW04	9/11/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	476
SW05	9/12/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139
SW06	9/12/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	275
SW07	9/12/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	118
SW08	9/12/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	282
SW09	9/12/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	107
SW10	9/13/2024	0-2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	340
SW11	9/13/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.3
SW12	9/16/2024	0-1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.2
SW13	9/19/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	110
SW14	9/19/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.5
SW15	9/19/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.7
SW16	9/19/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.3
SW17	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.7
SW18	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.2
SW19	9/23/2024	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	153
SW20	9/23/2024	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.4
SW21	9/23/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.1
SW22	9/23/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.3
SW23	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.8
SW24	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.4

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

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NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

Released to Imaging: 10/30/2024 3:59:26 PM

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

NO	OSE POD NO POD1 (T		NO.)				WELL TAG ID n/a	• NO.			OSE FILE NO(CP-1881	s).				
OCATI	WELL OWN		•••	tners			<u>i</u>				PHONE (OPTI) 832.672.470	•				
WELL L	WELL OWNI 11490 Wes				50						CITY Houston		state TX		077	ZIP
GENERAL AND WELL LOCATION	WELL LOCATIO (FROM GP	ns H		TUDE		GREES 32 103	MINUTES 25 36	SEC	CONDS 22 12	N W		REQUIRED: ONE TEN QUIRED: WGS 84	TH OF A	SECON		
ENE	<u>`</u>	<u></u>		GITUDE								-				
1. G	NE SE NE					STREET ADD	KESS AND COM	MON LANI	JMARKS	5 - FLS	S (SECTION, TO	WNSHJIP, RANGE) WH	EKE AV	AILABL	E	
	LICENSE NO 124			NAME OF	LICENSED		Jackie D. Atl	cins				NAME OF WELL DR Atkins Eng				nc.
	DRILLING S 10/12/			DRILLIN 10/12			MPLETED WEL rary well mat		BOI		le depth (ft) 105	DEPTH WATER FIR	ST ENCO n/a		ED (FT)	
N	COMPLETEI	D WELL	IS:	🗍 ART	ESIAN	🖌 DRY HO	le 🗍 sha	LLOW (UN	CONFIN	ED)		STATIC WATER LEV	VEL IN C n/a		red we	LL (FT)
ATIC	DRILLING FI	LUID:		🗍 AIR		MUD	ADD	OTTVES – S	PECIFY:							
DRM	DRILLING M	ETHOD:		ROT.	ARY	HAMME	R 🗌 CAB	LE TOOL		OTHE	R – SPECIFY:	Hollo	ow Sten	n Aug	er	
2. DRILLING & CASING INFORMATION	DEPTH FROM	(feet bg T(ם	E HOLE IAM iches)	(include	MATERIAL A GRADE each casing str	ing, and		CON	ASING VECTION YPE	CASING INSIDE DIAM. (inches)	TH	ING W ICKNI (inches	ESS	SLOT SIZE (inches)
CAS	0	10	5	<u>`</u>	±6.5		sections of scr Boring- HSA	een)	(ad		ling diameter)		· · · · ·		, 	
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	DEPTH	(feet bo	4) 	- DOD		· ·	ST ANNULA	D CHAI N		141 /		AMOUNT	T			
T	FROM	(leet bg			E HOLE [. (inches)		VEL PACK S					(cubic feet)			ETHO LACEN	
3. ANNULAR MATERIAL	11000															······································
IAT				1									-+	<u>.</u>		
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	OSE INTER	NAL U		NC-	1		I					0 WELL RECORD	<u>& LOG</u>	Versi	on 06/3)/17)
	<u>NO.</u>	<u> </u>	• [°	९९	0-1	- 77 -		NO.		<u> </u>	TRN I		41	2	B	
	ATION				_న25	<u>, </u>	Z. 6. 2	42			WELL TAG I	D NO.			PAGE	1 OF 2

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	DEPTH (1 FROM	TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIAL E R-BEARING CAVITIES OI plemental sheets to fully de	R FRAC	TURE ZONE	5	WAT BEAR (YES)	ING?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
l	0	14	14	Sand, fine-	grained, poorly graded with	Caliche.	Brown		Y	√ N	
	14	19	5		onsolidated with fin-grained s				Y	√ N	
	19	24	5		ned, poorly graded with Cali				Y	√ N	
	24	44	20	-	uined, poorly graded with cla				Y	√ N	
	44	64	20	· · · · ·	grained, poorly graded with c				Y	√ N	
	64	105	41		e-grained, poorly graded with				Y	√ N	
VELI					· · · · · · · · · · · · · · · · · · ·	,			Y	N	
4. HYDROGEOLOGIC LOG OF WELL				· · · · ·					Y	N	
00									Y	N	
CL									Y	N	
0Cl									 Y	N	
EOL									 Y	N	
SOG									<u>-</u> Y	N	
IUDI									Y	N	
4. H									 Y	N	
					<u></u>	- · · · -			 Y	N	
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	METHOD U	SED TO ES	TIMATE VIELD	 OF WATER-BEARIN(тот	AL ESTIN		
					HER – SPECIFY:				L YIELD		0.00
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NOIS	WELL TES	T TEST	RESULTS - ATT I TIME, END TI	ACH A COPY OF DAT ME, AND A TABLE SH	A COLLECTED DURING V IOWING DISCHARGE AN	WELL 1 D DRAV	ESTING, INC WDOWN OVI	LUDI ER TH	NG DISCI E TESTIN	HARGE N G PERIC	METHOD,)D.
NISI	MISCELLA	NEOUS INF	ORMATION: T	mporary well materia	ils removed and the soil b	oring h	ackfilled usi	a dril	louttings	from to	tal denth to ten
TEST; RIG SUPERVI			fe	et below ground surfa	ce, then hydrated bentoni	te chips	from ten fee	t belo	w ground	l surface	to surface.
c su								087	nn ag	19900	1 #M3:14
; RI(1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 - 1972 -	e sa barte	7 m.3.7.4
EST	PRINT NAM	(E(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVIS	SION O	F WELL CON	STRU	CTION O	THER TH	IAN LICENSEE:
5. T			lo Trevino, Can								
	THE UNDE	RSIGNED H	IEREBY CERTIF	FIES THAT, TO THE B	EST OF HIS OR HER KNO	WLED	GE AND BEL	IEF, T	HE FORE	GOING I	S A TRUE AND
TURE	CORRECT I	RECORD O	F THE ABOVE I	DESCRIBED HOLE AN	D THAT HE OR SHE WILI PLETION OF WELL DRILI	L FILE '					
SIGNATURE	Jack A	tkins		Jac	kie D. Atkins				10/27	/2021	
6.	<u> </u>	SIGNAT	URE OF DRILLE	R / PRINT SIGNEE 1	NAME	_				DATE	
FO	R OSE INTER	NALUSE					WR-20 WF		CORD &		rsion 06/30/2017)
	E NO.				POD NO.		TRN NO.				
LO	CATION					WELL	TAG ID NO.				PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NO	ose pod no POD1 (T	•	NO.)			WELL TAG ID NO. n/a			OSE FILE NO(S C-4566	5).		
OCATI	WELL OWNE Advanced			iners					PHONE (OPTIC 832.672.470			
GENERAL AND WELL LOCATION	WELL OWNE 11490 Wes								CITY Houston		state TX 77077	ZIP
UND	WELL LOCATIO	'n	LATT	DE	GREES 32	MINUTES 25	SECONE 35.34		* ACCURACY	REQUIRED: ONE TENT	TH OF A SECOND	
VERA	(FROM GP	rs)	LONC	HTUDE	103	38	21.54	4 W	* DATUM REC	QUIRED: WGS 84		
1. GEN				WELL LOCATION TO S R32E, NMPM	STREET ADD	RESS AND COMMON	LANDMA	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WHI	ERE AVAILABLE	
	LICENSE NO			NAME OF LICENSED						NAME OF WELL DRI		
	124	-		r		Jackie D. Atkins					ineering Associates, I	
	DRILLING S 09/22			DRILLING ENDED 09/22/21		OMPLETED WELL (FT rary well materia			le depth (FT) 105		ST ENCOUNTERED (FT) n/a	
N	COMPLETEI	D WELL	IS:	ARTESIAN	DRY HO		W (UNCON	FINED)		STATIC WATER LEV	TEL IN COMPLETED WE n/a	LL (FT)
ATIC	DRILLING F	LUID:		AIR		ADDITIV	ES – SPECI	FY:				
DRM	DRILLING M	IETHOD:	:	ROTARY		R 🗍 CABLE T	OOL	🕖 ОТНЕ	R - SPECIFY:	Hollo	w Stem Auger	
DRILLING & CASING INFORMATION	DEPTH FROM	(feet bg T(BORE HOLE		MATERIAL AND GRADE			ASING NECTION	CASING INSIDE DIAM.	CASING WALL THICKNESS	SLOT SIZE
ASIN				(inches)		each casing string, sections of screen)			YPE ling diameter)	(inches)	(inches)	(inches)
5 & C	0	10	5	±6.5	Į	Boring- HSA				-		-
IINO												
RIL												
2. I												
					<u> </u>							
_	DEPTH	(feet bg	; l)	BORE HOLE	1	IST ANNULAR SE				AMOUNT	METHO	
RIAL	FROM	т	0	DIAM. (inches)	GRA	VEL PACK SIZE-	RANGE	BY INTE	ERVAL	(cubic feet)	PLACEN	MENT
ATE						·			<u></u> .			
RM					1							
ANNULAR MATERIAL									· · · ·	OSE DI OCT	22 2021 PM2:4	2
3. Al												
	OSE INTER		ISE	451.1.		POD NO		,	WR-2		& LOG (Version 06/3	0/17)

FILE	NO. C-	4544	POD NO.	TRN NO.	103674	,
LOC	ATION MOV	225.32	E. 2.221	WELL TAG ID NO.	<u> </u>	PAGE 1 OF 2
	· · · · · · · · · · · · · · · · · · ·		· · · · ·			

• •

•

	DEPTH (1 FROM	feet bgl) TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIAL R-BEARING CAVITIES plemental sheets to fully	OR FR	ACTURE ZONI	3S	WA BEAR (YES)	ING?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	14	14	Sand, Fine	-grained, poorly graded, l	Brownis	h Red Dry		Y	√ N	
	14	24	10		ined, poorly graded, with				Y	√ N	
	24	54	20		ine-grained, poorly graded	-	•		Y	√ N	
	54	59	5		e-grained, poorly graded,		·		Y	√ N	
	59	105	46		ained, poorly graded, cali	_	·····		 Y	√ N	
,			•••	Duild, I me-gi	uniou, poorty grauou, can				- · Y	N	
4. HYDROGEOLOGIC LOG OF WELL									Y	N	
DF V				· · · · · · · · · · · · · · · · · · ·			<u>-</u>		Y	N	
000									Y	N	
CEC									Y	N	
Õ		1							<u>Y</u>	N	
JO I									Y	N	
BO											
N									Y	N	
E.									Y	N	
•									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
	METHOD U	ISED TO ES	TIMATE YIELD	OF WATER-BEARING	G STRATA:				AL ESTIN		
		P 🔲 A	IR LIFT]BAILER []OT	HER - SPECIFY:				L YIELD	(gpm):	0.00
NOIS	WELL TES	STAR	T TIME, END TH	ME, AND A TABLE SH	A COLLECTED DURIN IOWING DISCHARGE A	AND DI	RAWDOWN OV	ER TH	E TESTIN	G PERIC	D.
TEST; RIG SUPERVI	MISCELLA	NEOUS INF	FORMATION: Te	emporary well materia et below ground surfa	ls removed and the soi ce, then hydrated bentc	l borin onite ch	g backfilled usi nips from ten fe	ng dril et belo	l cuttings w ground	from to l surface	tal depth to ten to surface.
TEST	PRINT NAM	Æ(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPER	VISION	OF WELL CON	ISTRU	CTION O	THER TH	IAN LICENSEE:
5.1			lo Trevino, Can								
SIGNATURE	CORRECT I	RECORD O	F THE ABOVE I	ESCRIBED HOLE AN	EST OF HIS OR HER KI D THAT HE OR SHE W PLETION OF WELL DR	ILL FII	LE THIS WELL	RECOF	D WITH	THE STA	S A TRUE AND ATE ENGINEER
6. SIGNA	Jack Atkins			Jac	kie D. Atkins				10-21	-2021	
÷		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME					DATE	
FO	R OSE INTER	NAL USE					WR-20 WF	LL RF	CORD &	L0G (Ve	rsion 06/30/2017)
	E NO.	<u> </u>	564		POD NO.	/	TRN NO.	70	730	77	1
LO	CATION					WE	LL TAG ID NO			-	PAGE 2 OF 2



APPENDIX B

Lithologic Soil Sampling Logs

E N S O			Sample Name: BH01	Date: 5/21/24
			Site Name: 12" 4-Way Riser RO	
	LU		Incident Number: nAPP241303	
			Job Number: 03A2270046	
LITHOLOGIC / SOIL SAMPLI	NG LOG		Logged By: Israel Estrella	Method: Hand Auger
Coordinates: 32.428000, -103.604017			Hole Diameter: 3"	Total Depth: 3'
Comments: Field screening conducted with HACH performed with 1:4 dilution factor of soil to distil				pectively. Chloride test
Moisture Content Chloride (ppm) (ppm) Staining Staining	ו Depth ו (ft høs)	USCS/Rock Symbol	Lithologic	Descriptions
M Y BH01 0	0	SP-SM	Moist, Sand, No Staining	
M 3,304 N BH01 1		SP-SM	Moist, Sand, No Staining	
M ND N BH01 2	¹ ²	SP-SM	Moist, Sand, No Staining	
D ND N BH01 3	Ţ,		Drv. Caliche. No Staining	
DINDI INIBHULI 3	 Tot	al Depth		

				Sample Name: BH02	Date: 5/21/24		
				Site Name: 12" 4-Way Riser ROV			
	IN J	OLU	Incident Number: nAPP2413036737				
				Job Number: 03A2270046			
LITH	OLOGIC / SOIL	SAMPLING LOG		Logged By: Israel Estrella	Method: Hand Auger		
Coordinates: 32.4278	307, -103.604018			Hole Diameter: 3"	Total Depth: 1'		
		with HACH Chloride Tes bil to distilled water. No		PID for chloride and vapor, respective factors included.	ectively. Chloride test		
Moisture Content Chloride (ppm) Vapor	(ppm) Staining Sample ID	Sample Depth (ft bgs)	Lithologic Descriptions				
М	N BH02		SP-SM	Moist, Sand, No Staining			
M ND	N BH02		SP-SM	Moist. Sand. No Staining			
		Total De	epth at 1				

				Sample Name: BH03	Date: 5/21/24
	NC	\mathbf{O}			A
	C ri	OL	Incident Number: nAPP2413036737		
			Job Number: 03A2270046		
LITHO	LOGIC / SOIL S	SAMPLING LO	G	Logged By: Israel Estrella	Method: Hand Auger
Coordinates: 32.42783	3, -103.604301			Hole Diameter: 3"	Total Depth: 1'
Comments: Field scree performed with 1:4 dilu				l PID for chloride and vapor, respe factors included.	ctively. Chloride test
Moisture Content Chloride (ppm) Vapor (ppm)	Staining Sample ID	Sample Depth (ft bgs)		Lithologic Descriptions	
D	Y BH03	0	0 SP-SN	Dry, Sand, Low Stain	
M ND	N BH03		1 SP-SM	Moist, Sand, No Staining	
		Tot	al Depth at 1		

							Sample Name: BH04	Date: 5/21/24	
			C				Site Name: 12" 4-Way Riser RC	DW	
							Incident Number: nAPP2413036737		
							Job Number: 03A2270046		
	LITHOL	OGIO	C / SOIL S		G LOG		Logged By: Israel Estrella	Method: Hand Auger	
Coordinates:			-				Hole Diameter: 3"	Total Depth: 1'	
							PID for chloride and vapor, respe factors included.	ectively. Chloride test	
Moisture Content (ppm) (ppm) (Lithologic D	Descriptions				
D		Y	BH04	0	0 -	SP-SM	Dry, Sand, Low Stain		
M ND		N	BH04	1	- 1				
M ND N BH04 1 1 SP-SM Moist, Sand, No Staining Total Depth at 1 foot bgs.									

							Sample Name: BH05	Date: 5/21/24	
			C				Site Name: 12" 4-Way Riser ROV	W	
							Incident Number: nAPP2413036737		
							Job Number: 03A2270046		
	LITHOLO	DGIC	C / SOIL S		G LOG		Logged By: Israel Estrella	Method: Hand Auger	
Coordinates: 3			-				Hole Diameter: 3"	Total Depth: 1'	
							PID for chloride and vapor, respectation for chloride and vapor, respectation for the second se	ctively. Chloride test	
Moisture Content (ppm) (ppm) (Lithologic De	escriptions				
D		N	BH05	0 [0 -	SP-SM	Dry, Sand, No Stain		
D ND		N	BH05	1	- 1				
D ND N BHOS 1 Total Depth at 1 foot bgs.									

							Sample Name: BH06	Date: 5/21/24
			C			R A	Site Name: 12" 4-Way Riser RO	
						Incident Number: nAPP2413036737		
						Job Number: 03A2270046		
	LITHOLO	DGIC	/ SOIL S		i log		Logged By: Israel Estrella	Method: Hand Auger
Coordinates: 3	32.426354	, -103	8.604391				Hole Diameter: 3"	Total Depth: 1'
							PID for chloride and vapor, respe factors included.	ectively. Chloride test
Moisture Content Chloride (ppm) (ppm) Chloride (ppm) (ppm) Chloride (ppm) (t pbg) Chloride (t pbg) Chloride (t pbg) Chloride Chloride (ppm) Chloride Chlorid						Lithologic Descriptions		
D		Ν	BH06	0]	0	SP-SM	Dry, Caliche, Low Stain	
D ND		N	BH06	1	- 1			
D ND N BHOG 1 T 1 SP-SM Drv. Sand. No Staining Total Depth at 1 foot bgs.								

				Sample Name: BH07	Date: 5/21/24
	NC	OLU	R A	Site Name: 12" 4-Way Riser RC)W
	IN S		Incident Number: nAPP2413036737		
			Job Number: 03A2270046		
LITHOL	OGIC / SOIL S	SAMPLING LOG		Logged By: Israel Estrella	Method: Hand Auger
Coordinates: 32.42772				Hole Diameter: 3"	Total Depth: 1'
Comments: Field screen performed with 1:4 dilu				PID for chloride and vapor, resp factors included.	ectively. Chloride test
Moisture Content Chloride (ppm) Vapor (ppm)	Staining Sample ID	Sample Depth (ft bgs)	Lithologic Descriptions		
D	N BH07	0 <u> </u> 0 +	SP-SM	Dry, Sand, No Stain	
M ND	N BH07		SD-SM	Moist. Sand. No Staining	
	עהם באב	Total De			



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:

12 inch 4-Way Riser

Work Order: E405307

Job Number: 23003-0002

Received: 5/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/4/24

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: 6/4/24

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

Project Name: 12 inch 4-Way Riser Workorder: E405307 Date Received: 5/22/2024 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/22/2024 9:00:00AM, under the Project Name: 12 inch 4-Way Riser.

The analytical test results summarized in this report with the Project Name: 12 inch 4-Way Riser 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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Sample	Summary
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		Sampic Sum	mai y			
Matador Resources, LLC.		Project Name:	12 inch 4-Way Rise	r	Reported:	
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002	03-0002 Report		
Dallas TX, 75240		Project Manager:	Ashley Giovengo		06/04/24 13:08	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
SS01 - 0'	E405307-01A	Soil	05/20/24	05/22/24	Glass Jar, 2 oz.	
SS02 - 0'	E405307-02A	Soil	05/20/24	05/22/24	Glass Jar, 2 oz.	
SS03 - 0'	E405307-03A	Soil	05/20/24	05/22/24	Glass Jar, 2 oz.	
SS04 - 0'	E405307-04A	Soil	05/20/24	05/22/24	Glass Jar, 2 oz.	
SS05 - 0'	E405307-05A	Soil	05/20/24	05/22/24	Glass Jar, 2 oz.	
SS06 - 0'	E405307-06A	Soil	05/20/24	05/22/24	Glass Jar, 2 oz.	
SS07 - 0'	E405307-07A	Soil	05/20/24	05/22/24	Glass Jar, 2 oz.	
SS08 - 0'	E405307-08A	Soil	05/20/24	05/22/24	Glass Jar, 2 oz.	
SS09 - 0'	E405307-09A	Soil	05/20/24	05/22/24	Glass Jar, 2 oz.	



		ampic D				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Num	ber: 2300	nch 4-Way R 03-0002			Reported:
Dallas TX, 75240	Project Mana	iger: Ash	ley Gioveng	0		6/4/2024 1:08:43PM
		SS01 - 0'				
		E405307-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: BA		Batch: 2421162
Benzene	ND	0.0250	1	05/24/24	05/31/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/31/24	
Toluene	ND	0.0250	1	05/24/24	05/31/24	
o-Xylene	ND	0.0250	1	05/24/24	05/31/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/31/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		98.8 %	70-130	05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/24/24	05/31/24	
Surrogate: Toluene-d8		97.1 %	70-130	05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: BA		Batch: 2421162
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		98.8 %	70-130	05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/24/24	05/31/24	
Surrogate: Toluene-d8		97.1 %	70-130	05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO) mg/kg	mg/kg	A	Analyst: KH		Batch: 2422091
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/04/24	
Surrogate: n-Nonane		102 %	50-200	05/30/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: IY		Batch: 2422040
Chloride	68.5	20.0	1	05/29/24	05/29/24	

Sample Data



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way 03-0002 ley Gioven				Reported: 6/4/2024 1:08:43PM
		SS02 - 0'					
		E405307-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2421162
Benzene	ND	0.0250		1	05/24/24	05/31/24	
Ethylbenzene	ND	0.0250		1	05/24/24	05/31/24	
Toluene	ND	0.0250		1	05/24/24	05/31/24	
o-Xylene	ND	0.0250		1	05/24/24	05/31/24	
p,m-Xylene	ND	0.0500		1	05/24/24	05/31/24	
Total Xylenes	ND	0.0250		1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		95.6 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2421162
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		95.6 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH			Batch: 2422091
Diesel Range Organics (C10-C28)	ND	25.0		1	05/30/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0		1	05/30/24	06/04/24	
Surrogate: n-Nonane		100 %	50-200		05/30/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	IY		Batch: 2422040
Chloride	106	20.0		1	05/29/24	05/29/24	



	S	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 2300	nch 4-Way 1 03-0002 ley Gioveng				Reported: 6/4/2024 1:08:43PM
		SS03 - 0'					
		E405307-03					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2421162
Benzene	ND	0.0250	1	1	05/24/24	05/31/24	
Ethylbenzene	ND	0.0250	1	1	05/24/24	05/31/24	
Toluene	ND	0.0250	1	1	05/24/24	05/31/24	
p-Xylene	ND	0.0250	1	1	05/24/24	05/31/24	
o,m-Xylene	ND	0.0500	1	1	05/24/24	05/31/24	
Fotal Xylenes	ND	0.0250	1	1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		96.8 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2421162
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		96.8 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2422091	
Diesel Range Organics (C10-C28)	ND	25.0	1	1	05/30/24	06/04/24	
Dil Range Organics (C28-C36)	ND	50.0	1	1	05/30/24	06/04/24	
Surrogate: n-Nonane		104 %	50-200		05/30/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2422040
Chloride	28.2	20.0	1	1	05/29/24	05/29/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	er: 2300	nch 4-Way I 03-0002 ley Gioveng				Reported: 6/4/2024 1:08:43PM
		SS04 - 0'					
		E405307-04					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
•					repared	Analyzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2421162
Benzene	ND	0.0250	1		05/24/24	05/31/24	
Ethylbenzene	ND	0.0250	1		05/24/24 05/24/24	05/31/24 05/31/24	
Toluene	ND	0.0250	1		05/24/24	05/31/24	
p-Xylene	ND ND	0.0250 0.0500	1		05/24/24	05/31/24	
p,m-Xylene	ND	0.0300	1		05/24/24	05/31/24	
Fotal Xylenes	ND						
Surrogate: Bromofluorobenzene		97.3 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		96.6 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2421162
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		96.6 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2422091	
Diesel Range Organics (C10-C28)	ND	25.0	1		05/30/24	06/04/24	
Dil Range Organics (C28-C36)	ND	50.0	1	L I	05/30/24	06/04/24	
Surrogate: n-Nonane		105 %	50-200		05/30/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY			Batch: 2422040
Chloride	44.5	20.0	1	1	05/29/24	05/29/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way 1 03-0002 ley Gioveng				Reported: 6/4/2024 1:08:43PM
		SS05 - 0'					
		E405307-05					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: E	BA		Batch: 2421162
Benzene	ND	0.0250	1	1	05/24/24	05/31/24	
Ethylbenzene	ND	0.0250	1	I	05/24/24	05/31/24	
Toluene	ND	0.0250	1	1	05/24/24	05/31/24	
p-Xylene	ND	0.0250	1	1	05/24/24	05/31/24	
p,m-Xylene	ND	0.0500	1	1	05/24/24	05/31/24	
Total Xylenes	ND	0.0250	1	1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		96.1 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: E	BA		Batch: 2421162
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		96.1 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2422091	
Diesel Range Organics (C10-C28)	ND	25.0	1	1	05/30/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	05/30/24	06/04/24	
Surrogate: n-Nonane		104 %	50-200		05/30/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: Г	Y		Batch: 2422040
Chloride	127	20.0	1	1	05/29/24	05/29/24	



	S	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	nch 4-Way)3-0002 ley Gioven				Reported: 6/4/2024 1:08:43PM
		SS06 - 0'					
		E405307-06					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2421162
Benzene	ND	0.0250		1	05/24/24	05/31/24	
Ethylbenzene	ND	0.0250		1	05/24/24	05/31/24	
Toluene	ND	0.0250		1	05/24/24	05/31/24	
p-Xylene	ND	0.0250		1	05/24/24	05/31/24	
p,m-Xylene	ND	0.0500		1	05/24/24	05/31/24	
Total Xylenes	ND	0.0250		1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		96.0 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2421162
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		96.0 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2422091	
Diesel Range Organics (C10-C28)	ND	25.0		1	05/30/24	06/04/24	
Dil Range Organics (C28-C36)	ND	50.0		1	05/30/24	06/04/24	
Surrogate: n-Nonane		101 %	50-200		05/30/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2422040
Chloride	ND	20.0		1	05/29/24	05/29/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Gioven				Reported: 6/4/2024 1:08:43PM
		SS07 - 0'					
		E405307-07					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2421162
Benzene	ND	0.0250		1	05/24/24	05/31/24	
Ethylbenzene	ND	0.0250		1	05/24/24	05/31/24	
Toluene	ND	0.0250		1	05/24/24	05/31/24	
p-Xylene	ND	0.0250		1	05/24/24	05/31/24	
o,m-Xylene	ND	0.0500		1	05/24/24	05/31/24	
Total Xylenes	ND	0.0250		1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		95.5 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2421162
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		95.5 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH			Batch: 2422091
Diesel Range Organics (C10-C28)	ND	25.0		1	05/30/24	06/04/24	
Dil Range Organics (C28-C36)	ND	50.0		1	05/30/24	06/04/24	
Gurrogate: n-Nonane		103 %	50-200		05/30/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2422040
Chloride	42.4	20.0		1	05/29/24	05/29/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Gioven				Reported: 6/4/2024 1:08:43PM
		SS08 - 0'					
		E405307-08					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2421162
Benzene	ND	0.0250		1	05/24/24	05/31/24	
Ethylbenzene	ND	0.0250		1	05/24/24	05/31/24	
Toluene	ND	0.0250		1	05/24/24	05/31/24	
p-Xylene	ND	0.0250		1	05/24/24	05/31/24	
p,m-Xylene	ND	0.0500		1	05/24/24	05/31/24	
Total Xylenes	ND	0.0250		1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		95.1 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2421162
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		95.1 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2422091	
Diesel Range Organics (C10-C28)	ND	25.0		1	05/30/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0		1	05/30/24	06/04/24	
Surrogate: n-Nonane		99.3 %	50-200		05/30/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2422040
Chloride	321	20.0		1	05/29/24	05/29/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Gioven				Reported: 6/4/2024 1:08:43PM
		SS09 - 0'					
		E405307-09					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: B	A		Batch: 2421162
Benzene	ND	0.0250		1	05/24/24	05/31/24	
Ethylbenzene	ND	0.0250		1	05/24/24	05/31/24	
Toluene	ND	0.0250		1	05/24/24	05/31/24	
p-Xylene	ND	0.0250		1	05/24/24	05/31/24	
p,m-Xylene	ND	0.0500		1	05/24/24	05/31/24	
Total Xylenes	ND	0.0250		1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		96.7 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		96.2 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: B.	A		Batch: 2421162
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/24/24	05/31/24	
Surrogate: Bromofluorobenzene		96.7 %	70-130		05/24/24	05/31/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		05/24/24	05/31/24	
Surrogate: Toluene-d8		96.2 %	70-130		05/24/24	05/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: KH			Batch: 2422091	
Diesel Range Organics (C10-C28)	ND	25.0		1	05/30/24	06/04/24	
Oil Range Organics (C28-C36)	ND	50.0		1	05/30/24	06/04/24	
Surrogate: n-Nonane		104 %	50-200		05/30/24	06/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY	,		Batch: 2422040
Chloride	396	20.0		1	05/29/24	05/29/24	



QC Summary Data

Matador Resources, LLC.		Project Name:	12	inch 4-Way F	Riser				Depented
5400 LBJ Freeway, Suite 1500		Project Number:		003-0002					Reported:
Dallas TX, 75240		Project Manager:		shley Gioveng	0				6/4/2024 1:08:43PM
Danas 17, 75240		Floject Manager.	A	silley Olovelig	0				0/4/2024 1.08.451 14
	V	olatile Organic	Compo	unds by EP	A 8260	В			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 (2421162-BLK1)]	Prepared: 0	5/24/24 A	nalyzed: 05/31/24
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	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.8	70-130			
LCS (2421162-BS1)]	Prepared: 0	5/24/24 A	nalyzed: 05/31/24
Benzene	2.34	0.0250	2.50		93.4	70-130			
Ethylbenzene	2.40	0.0250	2.50		95.9	70-130			
Toluene	2.27	0.0250	2.50		91.0	70-130			
o-Xylene	2.15	0.0250	2.50		85.9	70-130			
o,m-Xylene	4.50	0.0500	5.00		90.0	70-130			
Fotal Xylenes	6.65	0.0250	7.50		88.6	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			
LCS Dup (2421162-BSD1)]	Prepared: 0	5/24/24 A	nalyzed: 05/31/24
Benzene	2.53	0.0250	2.50		101	70-130	8.05	23	
Ethylbenzene	2.63	0.0250	2.50		105	70-130	9.09	27	
Toluene	2.49	0.0250	2.50		99.7	70-130	9.15	24	
o-Xylene	2.46	0.0250	2.50		98.3	70-130	13.4	27	
p,m-Xylene	5.14	0.0500	5.00		103	70-130	13.4	27	
Total Xylenes	7.60	0.0250	7.50		101	70-130	13.4	27	
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.405		0.500		10.5	70 150			



QC Summary Data

		$\mathbf{x} \circ \sim$			•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	12 inch 4-Way I 23003-0002 Ashley Gioveng					Reported: 6/4/2024 1:08:43PM
	No	onhalogenated C	Organics	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 (2421162-BLK1)							Prepared: 0	5/24/24 A	nalyzed: 05/31/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.8	70-130			
LCS (2421162-BS2)							Prepared: 0	5/24/24 A	nalyzed: 05/31/24
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			
LCS Dup (2421162-BSD2)							Prepared: 0	5/24/24 A	nalyzed: 05/31/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.0	70-130	3.79	20	
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	0.492		0.500		98.4	70-130			

OC Summary Data

Matador Resources, LLC.		Project Name:		inch 4-Way I 003-0002	Riser				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:							(14/2024 1 00 J2D)
Dallas TX, 75240		Project Manager	: As	hley Gioveng	30				6/4/2024 1:08:43PM
	Nonh	alogenated Org	ganics by !	EPA 8015I) - 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 (2422091-BLK1)							Prepared: 0:	5/30/24 A	nalyzed: 06/03/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
0									
Surrogate: n-Nonane	53.8		50.0		108	50-200			
LCS (2422091-BS1)	53.8		50.0		108	50-200	Prepared: 0:	5/30/24 A	nalyzed: 06/03/24
LCS (2422091-BS1)	53.8	25.0	50.0 250		108	50-200 38-132	Prepared: 0	5/30/24 A	nalyzed: 06/03/24
LCS (2422091-BS1) Diesel Range Organics (C10-C28)		25.0					Prepared: 0:	5/30/24 A	nalyzed: 06/03/24
LCS (2422091-BS1) Diesel Range Organics (C10-C28) Surrogate: n-Nonane	318	25.0	250		127	38-132			.nalyzed: 06/03/24 .nalyzed: 06/03/24
Ū	318	25.0	250		127	38-132			



QC Summary Data

			-		-				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		12 inch 4-Way I 23003-0002 Ashley Gioveng					Reported: 6/4/2024 1:08:43PM
`				300.0/9056A	<u> </u>				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 (2422040-BLK1)							Prepared: 0	5/29/24 A	analyzed: 05/29/24
Chloride	ND	20.0							
LCS (2422040-BS1)							Prepared: 0:	5/29/24 A	analyzed: 05/29/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2422040-BSD1)							Prepared: 0:	5/29/24 A	analyzed: 05/29/24
Chloride	258	20.0	250		103	90-110	0.353	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:	12 inch 4-Way Riser	
I	5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/04/24 13:08

ND	Analyte 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.



Project Information

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Client: N	Aatador Proc	duction C	ompany							В	Bill To						La	ab Us	se Or	nly						٩T		EPA I	Program
Project:		4-Way R					Attent				ILC_					WO#		_			nber	-	1D	2D	3D	St	andard	CWA	SDWA
	Manager: As						Addre			2					<u>IEC</u>	105	30				<u>3</u>						x		
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	giovengo@e	nsolum.c	:om											ì		RO/	51		0	8			Σ		Ă		NM CO		
Report d	ue by:													-		۶ ۵	γ 80	82	6	e 30	E						×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample	ID								N	Lab umber		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH		BGDOC		GDOC			Remark	s
12:36	5/20/2024	Soil	1				S	S01 -	0'					I									x						
12:37	5/20/2024	Soil	1				S	S02 -	0'					2									x						
12:39	5/20/2024	Soil	1				S	S03 -	0'					3									x						
12:42	5/20/2024	Soil	1				S	S04 -	0'					4									x						
12:45	5/20/2024	Soil	1				S	S05 -	0'					S									x						
12:47	5/20/2024	Soil	1				S	S06 -	0'					Q									x						
12:50	5/20/2024	Soil	1				S	S07 -	0'					'n									x						
12:52	5/20/2024	Soil	1				S	S08 -	0'					8									x						
12:56	5/20/2024	Soil	1				S	S09 -	0'					9			-						x						
Addition	al Instructio	ns: Ple	ase CC: o	:burton@	ens	olum.c	om, aj	giover	ngo@	Pens	olum.	com, cl	hamilt	on@e	ensol	um.c	om, e	ehaf	it@e	nsolu	um.co	om, i	estre	ella@	enso	lum	.com		
	pler), attest to the of collection is a	•		•	•			amperi	-	h or in mpled		ally mislab	pelling th	ie samp	le locat	ion,					-						l on ice the da an 6 °C on sub		
Relinquish	ed by: (Signatu	re)	Date S		1 Tin	ne 8 = 2/	R	eceive Mic	d by: ((Signa	Gor	gale	s Da	te Ju	Э	Time	82	l	Rec	eive	d on	ice:	-	ab U)/ ∧	se Or I	ıly			
Religeuish	ed by: (Signatu	re) ongal	leg S-	-21-24	Tin	โเรง	> h		Я	•	-	0	Da	5.21	૧૫	Time	5	5					<u>T2</u>				<u>T3</u>		
Relinquish	ed by: (Signatu	ire)	Dat	l	\	ib.		eceive	d by: ((Signa	ature)		Dai		ku	Time C	10	\bigcirc		G Tei	mp °(4						
Sample Ma	rix: S - Soil, Sd - S	Solid, S g - Sli	udge, A - Aq	jueous, O - C)ther_		-		~*		~~~		<u> </u>	ntaine	er Typ	e: g -	glass,						er gl	ass, v	- VO	A			
	ples are discare		-	-		l unless d	other a	ranger	ments	are n	made. I	Hazardo					-					tha cli	ont o	-	o Th	o ron	ort for the	analysis of	the above
samples is	applicable only	to those s	amples re	ceived by t	he lat	oratory	with th	is COC	. The l	liabilit	ity of the	e laborat	tory is li	mited	to the	amou	nt pai	d for	on th	e rep	ort.								
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												Pa	age 1	9 of 2	20														

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. D	ate Received:	05/22/24	09:00	Work Order ID:	E405307
Phone:	(972) 371-5200 D	ate Logged In:	05/21/24	18:04	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com D	ue Date:	05/30/24	17:00 (5 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	e field,	Yes		C	
	i.e, 15 minute hold time, are not included in this disucssion.				Commen	ts/Resolution
	Turn Around Time (TAT)					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	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 th	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			
10.10	minutes of sampling		~			
	visible ice, record the temperature. Actual sample ter	nperature: <u>4</u>	<u>C</u>			
	<u>Container</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?	11 10	Yes			
	appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La		<i>.</i> .				
	field sample labels filled out with the minimum inform Sample ID?	ation:	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
Sample	Preservation					
21. Does	the COC or field labels indicate the samples were press	erved?	No			
22. Are s	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					
	the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyze		NA			
-	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	Subcontract Lab: NA		
	nstruction					

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:

12 inch 4-Way Riser

Work Order: E405329

Job Number: 23003-0002

Received: 5/23/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/6/24

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: 6/6/24

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

Project Name: 12 inch 4-Way Riser Workorder: E405329 Date Received: 5/23/2024 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2024 6:00:00AM, under the Project Name: 12 inch 4-Way Riser.

The analytical test results summarized in this report with the Project Name: 12 inch 4-Way Riser 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

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Envirotech Web Address: www.envirotech-inc.com



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Chain of Custody etc.

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Sample Summarv

		Sample Sum	mary		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	12 inch 4-Way Riser 23003-0002		Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		06/06/24 14:20
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
3H01 - 0'	E405329-01A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H01 - 2'	E405329-02A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H02 - 0'	E405329-03A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H02 - 1'	E405329-04A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H03 - 0'	E405329-05A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H03 - 1'	E405329-06A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H04 - 0'	E405329-07A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H04 - 1'	E405329-08A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H05 - 0'	E405329-09A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H05 - 1'	E405329-10A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H06 - 0'	E405329-11A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H06 - 1'	E405329-12A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H07 - 0'	E405329-13A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
H07 - 1'	E405329-14A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	12 ii	nch 4-Way l	Riser			
5400 LBJ Freeway, Suite 1500	Project Numbe	r: 2300	03-0002				Reported:
Dallas TX, 75240	Project Manage	er: Ash	ley Gioveng	go			6/6/2024 2:20:12PM
		BH01 - 0'					
	1	E405329-01					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2422022
Benzene	ND	0.0250	1	l	05/28/24	06/02/24	
Ethylbenzene	ND	0.0250	1	l	05/28/24	06/02/24	
Toluene	0.192	0.0250	1	l	05/28/24	06/02/24	
p-Xylene	ND	0.0250	1	l	05/28/24	06/02/24	
p,m-Xylene	ND	0.0500	1	l	05/28/24	06/02/24	
Total Xylenes	ND	0.0250	1	l	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		87.0 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		106 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		87.0 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		106 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM	[Batch: 2422123
Diesel Range Organics (C10-C28)	5790	125	5	5	06/01/24	06/03/24	
Dil Range Organics (C28-C36)	2090	250	5	5	06/01/24	06/03/24	
Surrogate: n-Nonane		107 %	50-200		06/01/24	06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT			Batch: 2422047
Chloride	7720	200	1	0	05/29/24	05/30/24	

Sample Data



	3	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way 1 03-0002 ley Gioveng	Reported: 6/6/2024 2:20:12PM			
		BH01 - 2'					
		E405329-02					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2422022
Benzene	ND	0.0250	1	l	05/28/24	06/02/24	
Ethylbenzene	ND	0.0250	1	l	05/28/24	06/02/24	
Toluene	ND	0.0250	1	l	05/28/24	06/02/24	
p-Xylene	ND	0.0250	1	l	05/28/24	06/02/24	
o,m-Xylene	ND	0.0500	1	l	05/28/24	06/02/24	
Fotal Xylenes	ND	0.0250	1	l	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		104 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130		05/28/24	06/02/24	
urrogate: Toluene-d8		106 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: IY			Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		104 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		106 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	М		Batch: 2422123
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/01/24	06/03/24	
Dil Range Organics (C28-C36)	ND	50.0	1	l	06/01/24	06/03/24	
Surrogate: n-Nonane		99.7 %	50-200		06/01/24	06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: D	т		Batch: 2422047
Chloride	32.0	20.0	1	l	05/29/24	05/30/24	



	56	ample D	ata					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way I 03-0002 ley Gioveng				Reported: 6/6/2024 2:20:12PM	
				5-				
		BH02 - 0'						
		E405329-03						
Analyte	Result	Reporting Limit	Dilu	ition	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	-	Analyst: IY			Batch: 2422022	
Benzene	ND	0.0250	1	l	05/28/24	06/02/24		
Ethylbenzene	ND	0.0250	1	l	05/28/24	06/02/24		
Toluene	ND	0.0250	1	l	05/28/24	06/02/24		
p-Xylene	ND	0.0250	1	l	05/28/24	06/02/24		
o,m-Xylene	ND	0.0500	1	l	05/28/24	06/02/24		
Fotal Xylenes	ND	0.0250	1	l	05/28/24	06/02/24		
Surrogate: Bromofluorobenzene		108 %	70-130		05/28/24	06/02/24		
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		05/28/24	06/02/24		
Surrogate: Toluene-d8		104 %	70-130		05/28/24	06/02/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2422022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/28/24	06/02/24		
Surrogate: Bromofluorobenzene		108 %	70-130		05/28/24	06/02/24		
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		05/28/24	06/02/24		
Surrogate: Toluene-d8		104 %	70-130		05/28/24	06/02/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	CM		Batch: 2422123	
Diesel Range Organics (C10-C28)	25.5	25.0	1	1	06/01/24	06/03/24		
Dil Range Organics (C28-C36)	ND	50.0	1	l	06/01/24	06/03/24		
Surrogate: n-Nonane		91.2 %	50-200		06/01/24	06/03/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: D	DT		Batch: 2422047	
Chloride	6450	100	5	5	05/29/24	05/30/24		



	5	ample D	ala					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	2 inch 4-Way Riser 3003-0002 shley Giovengo				Reported: 6/6/2024 2:20:12PM	
		BH02 - 1'						
		E405329-04						
Analyte	Result	Reporting Limit	Dih	ıtion	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2422022	
Benzene	ND	0.0250		1	05/28/24	06/02/24		
Ethylbenzene	ND	0.0250		1	05/28/24	06/02/24		
Toluene	ND	0.0250		1	05/28/24	06/02/24		
o-Xylene	ND	0.0250		1	05/28/24	06/02/24		
p,m-Xylene	ND	0.0500		1	05/28/24	06/02/24		
Total Xylenes	ND	0.0250		1	05/28/24	06/02/24		
Surrogate: Bromofluorobenzene		110 %	70-130		05/28/24	06/02/24		
Surrogate: 1,2-Dichloroethane-d4		88.5 %	70-130		05/28/24	06/02/24		
Surrogate: Toluene-d8		107 %	70-130		05/28/24	06/02/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2422022	
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/28/24	06/02/24		
Surrogate: Bromofluorobenzene		110 %	70-130		05/28/24	06/02/24		
Surrogate: 1,2-Dichloroethane-d4		88.5 %	70-130		05/28/24	06/02/24		
Surrogate: Toluene-d8		107 %	70-130		05/28/24	06/02/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2422123	
Diesel Range Organics (C10-C28)	ND	25.0		1	06/01/24	06/03/24		
Dil Range Organics (C28-C36)	ND	50.0		1	06/01/24	06/03/24		
Surrogate: n-Nonane		97.5 %	50-200		06/01/24	06/03/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: [DT		Batch: 2422047	
Chloride	169	20.0		1	05/29/24	05/30/24		


	3	ample D	ลเล				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 2300	nch 4-Way 03-0002 ey Gioven				Reported: 6/6/2024 2:20:12PM
		BH03 - 0'					
		E405329-05					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2422022
Benzene	ND	0.0250		1	05/28/24	06/02/24	
Ethylbenzene	ND	0.0250		1	05/28/24	06/02/24	
Toluene	ND	0.0250		1	05/28/24	06/02/24	
-Xylene	ND	0.0250		1	05/28/24	06/02/24	
o,m-Xylene	ND	0.0500		1	05/28/24	06/02/24	
Fotal Xylenes	ND	0.0250		1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		106 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		106 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	КМ		Batch: 2422123
Diesel Range Organics (C10-C28)	ND	25.0		1	06/01/24	06/03/24	
Dil Range Organics (C28-C36)	ND	50.0		1	06/01/24	06/03/24	
Surrogate: n-Nonane		102 %	50-200		06/01/24	06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2422047
Chloride	58. 7	20.0		1	05/29/24	05/30/24	



	D D	sample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 2300	nch 4-Way 03-0002 ley Gioven				Reported: 6/6/2024 2:20:12PM
		BH03 - 1'					
		E405329-06					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2422022
Benzene	ND	0.0250		1	05/28/24	06/02/24	
Ethylbenzene	ND	0.0250		1	05/28/24	06/02/24	
oluene	ND	0.0250		1	05/28/24	06/02/24	
-Xylene	ND	0.0250		1	05/28/24	06/02/24	
,m-Xylene	ND	0.0500		1	05/28/24	06/02/24	
Total Xylenes	ND	0.0250		1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		109 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130		05/28/24	06/02/24	
urrogate: Toluene-d8		105 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		109 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		105 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2422123
Diesel Range Organics (C10-C28)	ND	25.0		1	06/01/24	06/03/24	
Dil Range Organics (C28-C36)	ND	50.0		1	06/01/24	06/03/24	
Surrogate: n-Nonane		104 %	50-200		06/01/24	06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2422047
Chloride	ND	20.0		1	05/29/24	05/30/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way I 03-0002 ley Gioveng			Reported: 6/6/2024 2:20:12PM
		BH04 - 0'				
		E405329-07				
		Reporting				
Analyte	Result	Limit	Dilu	tion Prepa	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY		Batch: 2422022
Benzene	ND	0.0250	1	05/28	/24 06/02/24	
Ethylbenzene	ND	0.0250	1	05/28	/24 06/02/24	
Toluene	ND	0.0250	1	05/28	/24 06/02/24	
o-Xylene	ND	0.0250	1	05/28	/24 06/02/24	
,m-Xylene	ND	0.0500	1	05/28	/24 06/02/24	
Total Xylenes	ND	0.0250	1	05/28	/24 06/02/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/28	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	05/28	06/02/24	
Jurrogate: Toluene-d8		106 %	70-130	05/28	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY		Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28	/24 06/02/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/28	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	05/28	06/02/24	
Surrogate: Toluene-d8		106 %	70-130	05/28	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KM		Batch: 2422123
Diesel Range Organics (C10-C28)	142	25.0	1	06/01	/24 06/03/24	
Dil Range Organics (C28-C36)	62.1	50.0	1	06/01	/24 06/03/24	
Gurrogate: n-Nonane		96.6 %	50-200	06/01	/24 06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT		Batch: 2422047
Chloride	2900	40.0	2	05/29	/24 05/30/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way 03-0002 ley Gioven				Reported: 6/6/2024 2:20:12PM
		BH04 - 1'					
		E405329-08					
		Reporting					
Analyte	Result	Limit	Dilı	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2422022
Benzene	ND	0.0250		1	05/28/24	06/02/24	
Ethylbenzene	ND	0.0250		1	05/28/24	06/02/24	
Toluene	ND	0.0250		1	05/28/24	06/02/24	
-Xylene	ND	0.0250		1	05/28/24	06/02/24	
,m-Xylene	ND	0.0500		1	05/28/24	06/02/24	
Total Xylenes	ND	0.0250		1	05/28/24	06/02/24	
'urrogate: Bromofluorobenzene		109 %	70-130		05/28/24	06/02/24	
urrogate: 1,2-Dichloroethane-d4		93.4 %	70-130		05/28/24	06/02/24	
urrogate: Toluene-d8		105 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		109 %	70-130		05/28/24	06/02/24	
'urrogate: 1,2-Dichloroethane-d4		93.4 %	70-130		05/28/24	06/02/24	
'urrogate: Toluene-d8		105 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	КМ		Batch: 2422123
Diesel Range Organics (C10-C28)	ND	25.0		1	06/01/24	06/03/24	
Dil Range Organics (C28-C36)	ND	50.0		1	06/01/24	06/03/24	
urrogate: n-Nonane		103 %	50-200		06/01/24	06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2422047
Chloride	22.7	20.0		1	05/29/24	05/30/24	



	3	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 2300	nch 4-Way)3-0002 ey Gioven				Reported: 6/6/2024 2:20:12PM
		BH05 - 0'					
		E405329-09					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2422022
Benzene	ND	0.0250		1	05/28/24	06/02/24	
Ethylbenzene	ND	0.0250		1	05/28/24	06/02/24	
oluene	ND	0.0250		1	05/28/24	06/02/24	
o-Xylene	ND	0.0250		1	05/28/24	06/02/24	
o,m-Xylene	ND	0.0500		1	05/28/24	06/02/24	
Total Xylenes	ND	0.0250		1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		05/28/24	06/02/24	
urrogate: Toluene-d8		106 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		106 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2422123
Diesel Range Organics (C10-C28)	ND	25.0		1	06/01/24	06/03/24	
Dil Range Organics (C28-C36)	ND	50.0		1	06/01/24	06/03/24	
Surrogate: n-Nonane		103 %	50-200		06/01/24	06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2422047
Chloride	3730	40.0		2	05/29/24	05/30/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way 1 03-0002 ley Gioveng				Reported: 6/6/2024 2:20:12PM
		BH05 - 1'					
		E405329-10					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2422022
Benzene	ND	0.0250	1	1	05/28/24	06/02/24	
Ethylbenzene	ND	0.0250	1	1	05/28/24	06/02/24	
Toluene	ND	0.0250	1	1	05/28/24	06/02/24	
p-Xylene	ND	0.0250	1	1	05/28/24	06/02/24	
o,m-Xylene	ND	0.0500	1	1	05/28/24	06/02/24	
Fotal Xylenes	ND	0.0250	1	1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		109 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		104 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		109 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		104 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2422123
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/01/24	06/03/24	
Dil Range Organics (C28-C36)	ND	50.0	1	1	06/01/24	06/03/24	
Surrogate: n-Nonane		107 %	50-200		06/01/24	06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2422047
Chloride	51.3	20.0	1	1	05/29/24	05/30/24	



Sample Data										
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way I)3-0002 ley Gioveng			Reported: 6/6/2024 2:20:12PM				
		BH06 - 0' E405329-11								
		Reporting								
Analyte	Result	Limit	Dilu	tion Prepa	red Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2422022				
Benzene	ND	0.0250	1	05/28	/24 06/02/24					
Ethylbenzene	ND	0.0250	1	05/28	/24 06/02/24					
Toluene	ND	0.0250	1	05/28	/24 06/02/24					
p-Xylene	ND	0.0250	1	05/28	/24 06/02/24					
p,m-Xylene	ND	0.0500	1	05/28	/24 06/02/24					
Total Xylenes	ND	0.0250	1 05/28/24		/24 06/02/24					
Surrogate: Bromofluorobenzene		110 %	70-130	05/28	/24 06/02/24					
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	05/28	/24 06/02/24					
Surrogate: Toluene-d8		106 %	70-130	05/28	/24 06/02/24					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2422022				
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28	/24 06/02/24					
Surrogate: Bromofluorobenzene		110 %	70-130	05/28	/24 06/02/24					
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	05/28	/24 06/02/24					
Surrogate: Toluene-d8		106 %	70-130	05/28	/24 06/02/24					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2422123				
Diesel Range Organics (C10-C28)	335	25.0	1	06/01	/24 06/03/24					
Oil Range Organics (C28-C36)	145	50.0	1	06/01	/24 06/03/24					
Surrogate: n-Nonane		100 %	50-200	06/01	/24 06/03/24					
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2422047				
Chloride	2960	40.0	2	05/29	/24 05/30/24					



	3	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	ber: 2300	nch 4-Way 1 03-0002 ley Gioveng				Reported: 6/6/2024 2:20:12PM
		BH06 - 1'					
		E405329-12					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	7		Batch: 2422022
Benzene	ND	0.0250	1	l	05/28/24	06/02/24	
Ethylbenzene	ND	0.0250	1	l	05/28/24	06/02/24	
Toluene	ND	0.0250	1	l	05/28/24	06/02/24	
-Xylene	ND	0.0250	1	l	05/28/24	06/02/24	
o,m-Xylene	ND	0.0500	1	l	05/28/24	06/02/24	
Fotal Xylenes	ND	0.0250	1	l	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		90.6 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		105 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		110 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		90.6 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		105 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	М		Batch: 2422123
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/01/24	06/03/24	
Dil Range Organics (C28-C36)	ND	50.0	1	l	06/01/24	06/03/24	
Surrogate: n-Nonane		99.0 %	50-200		06/01/24	06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: D	Т		Batch: 2422047
Chloride	42.3	20.0	1	1	05/29/24	05/30/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way 1 03-0002 ley Gioveng				Reported: 6/6/2024 2:20:12PM
		BH07 - 0' E405329-13					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2422022
Benzene	ND	0.0250	1	1	05/28/24	06/02/24	
Ethylbenzene	ND	0.0250	1	1	05/28/24	06/02/24	
Toluene	ND	0.0250	1	1	05/28/24	06/02/24	
o-Xylene	ND	0.0250	1	1	05/28/24	06/02/24	
o,m-Xylene	ND	0.0500	00 1 05/28/24		05/28/24	06/02/24	
Total Xylenes	ND	0.0250	1	1 05/28/24		06/02/24	
Surrogate: Bromofluorobenzene		107 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		105 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		107 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		90.1 %	70-130		05/28/24	06/02/24	
Surrogate: Toluene-d8		105 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KN	1		Batch: 2422123
Diesel Range Organics (C10-C28)	27.9	25.0	1	1	06/01/24	06/03/24	
Dil Range Organics (C28-C36)	ND	50.0	1	1	06/01/24	06/03/24	
Surrogate: n-Nonane		105 %	50-200		06/01/24	06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT			Batch: 2422047
Chloride	190	20.0	1	1	05/29/24	05/30/24	



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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way)3-0002 ley Gioven				Reported: 6/6/2024 2:20:12PM
		BH07 - 1'					
		E405329-14					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg Analyst: IY			Batch: 2422022		
Benzene	ND	0.0250		1	05/28/24	06/02/24	
Ethylbenzene	ND	0.0250		1	05/28/24	06/02/24	
oluene	ND	0.0250		1	05/28/24	06/02/24	
-Xylene	ND	0.0250		1	05/28/24	06/02/24	
,m-Xylene	ND	0.0500		1	05/28/24	06/02/24	
Total Xylenes	ND	0.0250		1	05/28/24	06/02/24	
'urrogate: Bromofluorobenzene		108 %	70-130		05/28/24	06/02/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130		05/28/24	06/02/24	
urrogate: Toluene-d8		106 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2422022
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/28/24	06/02/24	
Surrogate: Bromofluorobenzene		108 %	70-130		05/28/24	06/02/24	
'urrogate: 1,2-Dichloroethane-d4		90.9 %	70-130		05/28/24	06/02/24	
urrogate: Toluene-d8		106 %	70-130		05/28/24	06/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2422123
Diesel Range Organics (C10-C28)	ND	25.0		1	06/01/24	06/03/24	
Dil Range Organics (C28-C36)	ND	50.0		1	06/01/24	06/03/24	
urrogate: n-Nonane		106 %	50-200		06/01/24	06/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2422047
Chloride	34.5	20.0		1	05/29/24	05/30/24	



QC Summary Data

Matador Resources, LLC.		Project Name:	12	inch 4-Way F	Riser				Donoutode	
5400 LBJ Freeway, Suite 1500		Project Number:		3003-0002					Reported:	
Dallas TX, 75240		Project Manager:		shley Gioveng	0				6/6/2024 2:20:12PM	
Dallas IX, 75240		Tiojeet Manager.	A		0				0/0/2024 2.20.121 W	
	V	olatile Organic	Compo	unds by EP	A 82601	B			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 (2422022-BLK1)]	Prepared: 0	5/28/24 Ar	alyzed: 06/01/24	
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	0.557		0.500		111	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.425		0.500		84.9	70-130				
Surrogate: Toluene-d8	0.528		0.500		106	70-130				
LCS (2422022-BS1)]	Prepared: 0	5/28/24 Ar	alyzed: 06/01/24	
Benzene	2.20	0.0250	2.50		87.9	70-130				
Ethylbenzene	2.42	0.0250	2.50		96.9	70-130				
Toluene	2.41	0.0250	2.50		96.6	70-130				
o-Xylene	2.58	0.0250	2.50		103	70-130				
o,m-Xylene	5.15	0.0500	5.00		103	70-130				
Total Xylenes	7.72	0.0250	7.50		103	70-130				
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		91.0	70-130				
Surrogate: Toluene-d8	0.529		0.500		106	70-130				
LCS Dup (2422022-BSD1)							Prepared: 0	5/28/24 Ar	alyzed: 06/01/24	
Benzene	2.24	0.0250	2.50		89.6	70-130	1.92	23		
Ethylbenzene	2.47	0.0250	2.50		98.6	70-130	1.76	27		
Toluene	2.45	0.0250	2.50		97.8	70-130	1.32	24		
o-Xylene	2.63	0.0250	2.50		105	70-130	2.09	27		
p,m-Xylene	5.20	0.0500	5.00		104	70-130	1.11	27		
Total Xylenes	7.83	0.0250	7.50		104	70-130	1.44	27		
Surrogate: Bromofluorobenzene	0.564		0.500		113	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		91.9	70-130				



QC Summary Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	23	2 inch 4-Way I 8003-0002 shley Gioveng					Reported: 6/6/2024 2:20:12PM
	Noi	nhalogenated (Organics	by EPA 80	15D - G	RO			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 (2422022-BLK1)							Prepared: 0	5/28/24 A	nalyzed: 06/01/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.425		0.500		84.9	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			
LCS (2422022-BS2)							Prepared: 0	5/28/24 A	nalyzed: 06/01/24
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
LCS Dup (2422022-BSD2)							Prepared: 0	5/28/24 A	nalyzed: 06/02/24
Gasoline Range Organics (C6-C10)	55.2	20.0	50.0		110	70-130	2.22	20	
Surrogate: Bromofluorobenzene	0.564		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.448		0.500		89.5	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



OC Summary Data

		QC D	umma	iry Date	u				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		2 inch 4-Way F 3003-0002	Riser				Reported:
Dallas TX, 75240		Project Manager:		shley Gioveng	<u>3</u> 0				6/6/2024 2:20:12PM
	Nonh	alogenated Org	anics by	EPA 8015D) - 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 (2422123-BLK1)							Prepared: 0	6/01/24 A	analyzed: 06/03/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			
LCS (2422123-BS1)							Prepared: 0	6/01/24 A	analyzed: 06/03/24
Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	53.1		50.0		106	50-200			
LCS Dup (2422123-BSD1)							Prepared: 0	6/01/24 A	analyzed: 06/03/24
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132	3.67	20	
Surrogate: n-Nonane	54.3		50.0		109	50-200			



QC Summary Data

			-						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		12 inch 4-Way I 23003-0002	Riser				Reported:
Dallas TX, 75240		Project Manager	:	Ashley Gioveng	go				6/6/2024 2:20:12PM
		Anions	by EPA	300.0/9056A	٨				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 (2422047-BLK1)							Prepared: 0	5/29/24 A	Analyzed: 05/30/24
Chloride	ND	20.0							
LCS (2422047-BS1)							Prepared: 0	5/29/24 A	Analyzed: 05/30/24
Chloride	250	20.0	250		100	90-110			
LCS Dup (2422047-BSD1)							Prepared: 0	5/29/24 A	Analyzed: 05/30/24
Chloride	245	20.0	250		98.2	90-110	1.98	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:	12 inch 4-Way Riser	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/06/24 14:20

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

Palance	Project In	formation						Chain	of Custo	ody												Pa	ogram SDWA RCRA	of _
ł	Client: M	latador Proc	luction C	ompanv			Bill To					Lat	o Us	e Only	, .				TA	AT		EPA Pr	ogram	
E.	Project:		4-Way R			Attentio	n: Ensolum LLC			Lab	WO#			Job N		er	1D	2D	3D	Sta	ndard	CWA	SDWA	
		lanager: As				Address	: on file		1	E	105	320		Voo	37	0002					x			
•	Address:	3122 Natio	nal Parks	Hwy		City, Sta	City, State, Zip:		}				ļ	Analysi	s and	d Meth	bd						RCRA	
l	<u>City, Stat</u>	e, Zip: Carls	bad NM,	88220		Phone: 575-988-0055			β															
	Phone: 5	75-988-005	5			Email: agiovengo@ensolum.com			R B	1										State				
	Email: a	<u> ziovengo@e</u>	nsolum.c	om					i.		No ^R	=	。	. 3	300.0 H		Σ			1	NM CO	UT AZ	TX	
	<u>Report d</u>	ue by:							8	80	826	5	, S	Ξ			ř		×					
	Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride	TCEQ TPH	BGDOC		GDOC			Remarks		
	9:54	5/21/2024	Soil	1		BHC	01 -0'		A								x							
	11:14	5/21/2024	Soil	1		BHO	01 -2'		Z								x							
	9"59	5/21/2024	Soil	1		BHC	02 - 0'		3								x							
	10:01	5/21/2024	Soil	1		BHC)2 - 1'		4								x							
	10:07	5/21/2024	Soil	1		BHC	03 - 0'		5								x							
	10:09	5/21/2024	Soil	1		BHC	03 - 1'		6								x							
	10:14	5/21/2024	Soil	1		BHC	04 - 0'		7								x							
	10:19	5/21/2024	Soil	1		BHC	04 - 1'		8								x							
	10:22	5/21/2024	Soil	1		BHC	05 - 0'		9								x						_	
	10:24	5/21/2024	Soil	1		BHC	05 - 1'		0								x							
	Addition	al Instructio	ns: Ple	ase CC: cl	burton@ensolu	um.com, agio	ovengo@ensolum.c	om, chan	nilton@e	ensolu	ım.co	om, e	haft	@ens	olun	n.com,	iestr	ella@)ensc	olum.c	om			
	date or time	e of collection is a	considered f	raud and ma	y be grounds for lega		npering with or intentional Sampled by:	ly mislabellin	g the sampl	e locati	on,					-						they are samp equent days.	eled or	
	Relinquish	ed by: (Signatu	re) Str	Date S/		2:45 W	eived by: (Signature) Aichelle Gon	zales	Date 5-22		Time J	ŬØS	5	Recei	ved	on ice:	0	ab U:		nly			•	
	Relinguish	ed by Signaty	re) ongol	es Date		Reci	eived by: (Signature)	U	Date 5.22	<u>.2y</u>	Time	7 4 *	5	<u>T1</u>			<u>T2</u>		_		ТЗ			
	Relinquish	ed by: (Signatu r	re)	Date	12.24 20	Acc S	eived by: (Signature)		Date	lv.	Time D	X80	>	AVG '	Tem	•°C_(P							
		rix: S - Soil, Sd - S			eous, O - Other				Containe															
	Note: Sam samples is	ples are discare applicable only	ded 30 day y to those s	s after resu amples rec	Its are reported un eived by the labor	nless other arra ratory with this	ngements are made. H COC. The liability of the	lazardous s laboratory	amples wil is limited t	l be re o the a	turnec amour	l to cli nt paid	ent o for c	r dispo on the r	sed o epor	f at the t.	client e	expens	ie. Th	e repo	rt for the a	analysis of 1	the above	
														E	3		e	r		Vi	ire	ot	e(

lient: Matao	dor Prod	uction Co	ompany				Bill To					Lab	Use	Use Only				TAT			EPA Pi	rogram								
		4-Way R				ention: En			[Lab \	NO#	0	1	Job Number		1D	2D	3D	St	andard	CWA	SDWA								
Project Mana						dress: on fil		6		EЧ	05 7	324		230	03	m	- [x									
<u>ddress: 312</u>						y, State, Zip:			—				A	Analys	is and	d Meth	lod	-	1	-	:		RCRA							
City, State, Zij Phone: 575-9			88220			Phone: 575-988-0055 Email: agiovengo@ensolum.com			م و											l State										
mail: agiove									ő				。		5				NMI CO		ТХТ									
Report due by								i i		/DR		3/DR		0/DR 8260	0/DR(0/DR 8021		0/DR 8260 8260		8	ğ	Ŧ	N N		۲ ۲		×		
Time	Sampled	Matrix	No. of Containers	Sample ID					ab nber		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC		6DOC			Remarks								
10:26 5/2:	1/2024	Soil	1			BH06 -0'			\								x													
10:29 5/2:	1/2024	Soil	1			BH06 -1'			2.								x													
10:33 5/2:	1/2024	Soil	1			BH07 - 0'		ľ	3								×													
10:37 5/2	1/2024	Soil	1			BH07 - 1'			y								x			Ι										
	-						<u></u>																							
																							-							
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Additional In	struction	ns: Plea	ase CC: cl	burton@en	solum.com	, agiovengo	@ensolum.com, cha	milto	n@ei	nsolu	m.co	om, et	aft	@en	solur	n.com	, iesti	ella@	@ens	olum	.com									
, (field sampler), a late or time of co							ith or intentionally mislabell ampled by:	ing the	sample	locatio	on,					-					on ice the day an 6 °C on sub	r they are samp sequent days.	led or							
Relinquished by	: (Signatur	re) X ·		122/24	^{ime} 10:45	Mich		Date S	22-		Time	945		Rece	ived	on ice		Lab U Y)/ I	Jse O N	nly			ан 1997 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1							
Relinquished by	isignatur	e) orgal	es Date	22.24	^{ime} 1545	Received by	(Signature)	Date	.u.	ટવ	Time	'U<	,	<u>T1</u>			<u>T2</u>				<u>T3</u>									
Relinguished by	: (Signatur	re)	Date	1	^{ime} 24 60	Receiver by	: (Signature)	Date S	1231	ય	Time	00		AVG	Tem	p°C	q					1								
Sample Matrix: S -																ag - a		_												
							ts are made. Hazardous e liability of the laborator										client	expen	se. Tl	he rep	ort for the	analysis of t	the above							



Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC.	Date Received:	05/23/24	06:00		Work Order ID:	E405329
Phone:	(972) 371-5200	Date Logged In:	05/23/24	10:20		Logged In By:	Angelina Pineda
Email:	agiovngo@ensolum.com	Due Date:	05/30/24	17:00 (5 day TAT)		
<u>Chain o</u> :	<u>f Custody (COC)</u>						
1. Does 1	the sample ID match the COC?		Yes				
2. Does 1	the number of samples per sampling site location mate	h the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier:	Courier 199		
4. Was tl	he COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes				
5. Were	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 disucssior		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 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	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>4</u>	<u>c</u>				
	Container aqueous VOC samples present?		Na				
	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?	rs collected?	Yes				
Field La		is conceted.	103				
	e field sample labels filled out with the minimum infor	mation:					
	Sample ID?	mation.	Yes				
	Date/Time Collected?		Yes				
C	Collectors name?		Yes				
Sample	Preservation						
21. Does	s the COC or field labels indicate the samples were pre	served?	No				
	sample(s) correctly preserved?		NA				
24. Is lał	b filteration required and/or requested for dissolved me	etals?	No				
<u>Multiph</u>	ase Sample Matrix						
26. Does	s the sample have more than one phase, i.e., multiphase	e?	No				
27 If vo	s, does the COC specify which phase(s) is to be analyz	red?	NA				
27. II ye							
•	tract Laboratory						
Subcont	ract Laboratory samples required to get sent to a subcontract laboratory	/?	No				
Subcont 28. Are s	iract Laboratory_ samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No NA	Subcontract La	ıb: NA		

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:

12 Inch 4-Way Riser Row

Work Order: E409093

Job Number: 23003-0002

Received: 9/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/17/24

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: 9/17/24

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

Project Name: 12 Inch 4-Way Riser Row Workorder: E409093 Date Received: 9/13/2024 7:45:00AM

Ashley Giovengo,



Page 92 of 370

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2024 7:45:00AM, under the Project Name: 12 Inch 4-Way Riser Row.

The analytical test results summarized in this report with the Project Name: 12 Inch 4-Way Riser 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

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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Sample Summary	
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		Sample Sum	illai y		
Matador Resources, LLC.		Project Name:	12 Inch 4-Way Rise	er Row	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		Keporteu.
Dallas TX, 75240		Project Manager:	Ashley Giovengo		09/17/24 11:55
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 -1'	E409093-01A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
FS02 -1'	E409093-02A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
FS03 -4'	E409093-03A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
FS04 -4'	E409093-04A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
FS05 -4'	E409093-05A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
SW01 - 0-4'	E409093-06A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
SW02 - 0-4'	E409093-07A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
SW03 - 0-4'	E409093-08A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.
SW04 - 0-4'	E409093-09A	Soil	09/11/24	09/13/24	Glass Jar, 2 oz.



		ample D				
Matador Resources, LLC.	Project Name	e: 12 I	nch 4-Way R	liser Row		
5400 LBJ Freeway, Suite 1500	Project Numl	ber: 2300	03-0002			Reported:
Dallas TX, 75240	Project Mana		9/17/2024 11:55:11AM			
		FS01 -1'				
		E409093-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepare	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A		Batch: 2437075	
Benzene	ND	0.0250	1	09/13/2	4 09/13/24	
Ethylbenzene	ND	0.0250	1	09/13/2	4 09/13/24	
Toluene	ND	0.0250	1	09/13/2	4 09/13/24	
p-Xylene	ND	0.0250	1	09/13/2	4 09/13/24	
o,m-Xylene	ND	0.0500	1	09/13/2	4 09/13/24	
Total Xylenes	ND	0.0250	1	09/13/2	4 09/13/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/13/2	94 09/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	09/13/2	4 09/13/24	
Surrogate: Toluene-d8		107 %	70-130	09/13/2	09/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2437075
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/13/2	4 09/13/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/13/2	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	09/13/2	09/13/24	
Surrogate: Toluene-d8		107 %	70-130	09/13/2	09/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2437091
Diesel Range Organics (C10-C28)	ND	25.0	1	09/13/2	4 09/14/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/13/2	4 09/14/24	
Surrogate: n-Nonane		80.6 %	50-200	09/13/2	09/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2437096
Chloride	71.2	20.0	1	09/13/2	4 09/13/24	





Sample Data

		ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number		nch 4-Way 03-0002	Riser R	low		Reported:
Dallas TX, 75240	Project Manag		ley Giover	igo			9/17/2024 11:55:11AM
	, ,		2	0			
		FS02 -1'					
		E409093-02					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2437075
Benzene	ND	0.0250		1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250		1	09/13/24	09/13/24	
Toluene	ND	0.0250		1	09/13/24	09/13/24	
p-Xylene	ND	0.0250		1	09/13/24	09/13/24	
o,m-Xylene	ND	0.0500		1	09/13/24	09/13/24	
Fotal Xylenes	ND	0.0250		1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		104 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2437075
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		104 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2437091
Diesel Range Organics (C10-C28)	ND	25.0		1	09/13/24	09/14/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/13/24	09/14/24	
Surrogate: n-Nonane		77.7 %	50-200		09/13/24	09/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2437096
Chloride	286	20.0		1	09/13/24	09/13/24	



Sample Data

	K.	sample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 230	nch 4-Way 03-0002 ley Gioven		ow		Reported: 9/17/2024 11:55:11AM
		FS03 -4'					
		E409093-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	PA 8260B mg/kg mg/kg Analyst: IY					Batch: 2437075	
Benzene	ND	0.0250		1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250		1	09/13/24	09/13/24	
oluene	ND	0.0250		1	09/13/24	09/13/24	
-Xylene	ND	0.0250		1	09/13/24	09/13/24	
,m-Xylene	ND	0.0500		1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250		1	09/13/24	09/13/24	
urrogate: Bromofluorobenzene		101 %	70-130		09/13/24	09/13/24	
urrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		09/13/24	09/13/24	
urrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2437075
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		09/13/24	09/13/24	
urrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	l Organics by EPA 8015D - DRO/ORO mg/kg mg/kg			Analyst		Batch: 2437091	
Diesel Range Organics (C10-C28)	ND	25.0		1	09/13/24	09/14/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/13/24	09/14/24	
urrogate: n-Nonane		79.1 %	50-200		09/13/24	09/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2437096
Chloride	516	20.0		1	09/13/24	09/13/24	



Sample Data

	N N	sample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 2300	nch 4-Way)3-0002 ley Gioveng		ЭW		Reported: 9/17/2024 11:55:11AM
		FS04 -4'					
		E409093-04					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	Compounds by EPA 8260B mg/kg mg/kg Analyst: IY						Batch: 2437075
Benzene	ND	0.0250	:	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250		1	09/13/24	09/13/24	
oluene	ND	0.0250		1	09/13/24	09/13/24	
o-Xylene	ND	0.0250		1	09/13/24	09/13/24	
o,m-Xylene	ND	0.0500		1	09/13/24	09/13/24	
Fotal Xylenes	ND	0.0250		1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		104 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		09/13/24	09/13/24	
urrogate: Toluene-d8		107 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2437075
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		104 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		107 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	ated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg		Analyst:	NV		Batch: 2437091	
Diesel Range Organics (C10-C28)	ND	25.0		1	09/13/24	09/14/24	
Dil Range Organics (C28-C36)	ND	50.0	i	1	09/13/24	09/14/24	
Gurrogate: n-Nonane		79.0 %	50-200		09/13/24	09/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2437096
Chloride	499	20.0		1	09/13/24	09/13/24	



Sample Data

		sample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 2300	nch 4-Way 03-0002		ow		Reported: 9/17/2024 11:55:11AM
Danas IA, 75240	Project Manager: Ashley Gioveng			go			9/1//2024 11.55.11AW
		FS05 -4'					
		E409093-05					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	Is by EPA 8260B mg/kg Malyst: IY					Batch: 2437075	
Benzene	ND	0.0250		1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250		1	09/13/24	09/13/24	
Toluene	ND	0.0250		1	09/13/24	09/13/24	
p-Xylene	ND	0.0250		1	09/13/24	09/13/24	
o,m-Xylene	ND	0.0500		1	09/13/24	09/13/24	
Fotal Xylenes	ND	0.0250		1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		106 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2437075
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		106 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	nated Organics by EPA 8015D - DRO/ORO mg/kg			Analyst	: NV		Batch: 2437091
Diesel Range Organics (C10-C28)	ND	25.0		1	09/13/24	09/14/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/13/24	09/14/24	
Surrogate: n-Nonane		80.7 %	50-200		09/13/24	09/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2437096
Chloride	466	20.0		1	09/13/24	09/13/24	



	Da	imple D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/17/2024 11:55:11AM
	S	W01 - 0-4'					
]	E409093-06					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	unds by EPA 8260B mg/kg mg/kg Analyst: IY						Batch: 2437075
Benzene	ND	0.0250		1	09/13/24	09/13/24	
thylbenzene	ND	0.0250		1	09/13/24	09/13/24	
oluene	ND	0.0250		1	09/13/24	09/13/24	
-Xylene	ND	0.0250		1	09/13/24	09/13/24	
m-Xylene	ND	0.0500		1	09/13/24	09/13/24	
otal Xylenes	ND	0.0250		1	09/13/24	09/13/24	
urrogate: Bromofluorobenzene		102 %	70-130		09/13/24	09/13/24	
urrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		09/13/24	09/13/24	
urrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2437075
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/13/24	09/13/24	
urrogate: Bromofluorobenzene		102 %	70-130		09/13/24	09/13/24	
urrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		09/13/24	09/13/24	
urrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2437091
Diesel Range Organics (C10-C28)	ND	25.0		1	09/13/24	09/14/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/13/24	09/14/24	
urrogate: n-Nonane		77.0 %	50-200		09/13/24	09/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2437096
Chloride	39.0	20.0		1	09/13/24	09/13/24	



Sample Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	nch 4-Way 03-0002 ley Giover		Low		Reported: 9/17/2024 11:55:11AM
	S	SW02 - 0-4'					
		E409093-07					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2437075
Benzene	ND	0.0250		1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250		1	09/13/24	09/13/24	
Toluene	ND	0.0250		1	09/13/24	09/13/24	
p-Xylene	ND	0.0250		1	09/13/24	09/13/24	
o,m-Xylene	ND	0.0500		1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250		1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2437075
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2437091
Diesel Range Organics (C10-C28)	ND	25.0		1	09/13/24	09/15/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/13/24	09/15/24	
Surrogate: n-Nonane		73.4 %	50-200		09/13/24	09/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2437096
Chloride	290	20.0		1	09/13/24	09/13/24	



	~.	ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		nch 4-Way	Riser Ro	W		Reported:
Dallas TX, 75240	Project Manager: Ashley Giovengo			go		9/17/2024 11:55:11AM	
	5	SW03 - 0-4'					
		E409093-08					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2437075
Benzene	ND	0.0250	1	1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250	1	1	09/13/24	09/13/24	
Toluene	ND	0.0250	1	1	09/13/24	09/13/24	
o-Xylene	ND	0.0250	1	1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500	1	1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250	1	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		106 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2437075
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		106 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		108 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	NV		Batch: 2437091
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/13/24	09/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/13/24	09/15/24	
Surrogate: n-Nonane		79.7 %	50-200		09/13/24	09/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	DT		Batch: 2437096
Chloride	137	20.0	1	1	09/13/24	09/13/24	



		ampic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/17/2024 11:55:11AM
	ļ	SW04 - 0-4'					
		E409093-09					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2437075
Benzene	ND	0.0250		1	09/13/24	09/13/24	
Ethylbenzene	ND	0.0250		1	09/13/24	09/13/24	
Toluene	ND	0.0250		1	09/13/24	09/13/24	
p-Xylene	ND	0.0250		1	09/13/24	09/13/24	
p,m-Xylene	ND	0.0500		1	09/13/24	09/13/24	
Total Xylenes	ND	0.0250		1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		109 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2437075
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/13/24	09/13/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/13/24	09/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		09/13/24	09/13/24	
Surrogate: Toluene-d8		109 %	70-130		09/13/24	09/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	O mg/kg mg/kg			Analyst:	: NV		Batch: 2437091
Diesel Range Organics (C10-C28)	ND	25.0		1	09/13/24	09/15/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/13/24	09/15/24	
Surrogate: n-Nonane		77.4 %	50-200		09/13/24	09/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2437096
Chloride	476	20.0		1	09/13/24	09/13/24	



QC Summary Data

	ser Row		Reported:	
			portou.	
		ç	9/17/2024 11:55:11AM	
	8260B	Analyst: I		
	Rec	RPD		
	Rec Limits	Limit		
%	% %	%	Notes	
Prepared:		: 09/13/24 Ar	nalyzed: 09/13/24	
			•	
30	103 70-130			
30	97.5 70-130			
	109 70-130			
Prepared:		: 09/13/24 Ar	nalyzed: 09/13/24	
30	86.2 70-130			
30	92.0 70-130			
	91.6 70-130			
	92.5 70-130			
	92.9 70-130			
	92.8 70-130			
30	106 70-130			
30	97.3 70-130			
	106 70-130			
Prepared:	109094-02	: 09/13/24 Ar	nalyzed: 09/13/24	
31	84.7 48-131			
35	92.8 45-135			
30	91.9 48-130			
35	91.4 43-135			
35	91.4 43-135			
35	91.4 43-135			
30	103 70-130			
30	94.5 70-130			
	106 70-130			
Prepared:	109094-02	: 09/13/24 Ar	nalyzed: 09/13/24	
31 12.3	74.9 48-131	23		
	82.0 45-135	27		
	82.2 48-130	24		
	82.9 43-135	27		
	82.7 43-135	27		
	105 70-130			
35 35 30 30	82.6 43-135 82.7 43-135	5 10.1 5 9.98	5 10.1 27 5 9.98 27	



QC Summary Data

		QC DI		ary Date	-				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	2 Inch 4-Way I 23003-0002 Ashley Gioveng					Reported: 9/17/2024 11:55:11AM
Nonhalogenated Organics by EPA 8015D - GRO									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 (2437075-BLK1)							Prepared: 0	9/13/24	Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			
LCS (2437075-BS2)							Prepared: 0	9/13/24	Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			
Matrix Spike (2437075-MS2)				Source:	E409094-0	2	Prepared: 0	9/13/24	Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			
Matrix Spike Dup (2437075-MSD2)				Source:	E409094-0	2	Prepared: 0	9/13/24	Analyzed: 09/13/24
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130	2.08	20	
	0.510		0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.518		0.200		107				
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.518 0.478		0.500		95.5	70-130			



QC Summary Data

		QU N		ary Data	•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	2 Inch 4-Way I 3003-0002 Ashley Gioveng					Reported: 9/17/2024 11:55:11AM
	Nonh	alogenated Org	anics by	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 (2437091-BLK1)							Prepared: 0	9/13/24 /	Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			
LCS (2437091-BS1)							Prepared: 0	9/13/24 /	Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	200	25.0	250		80.0	38-132			
Surrogate: n-Nonane	41.6		50.0		83.3	50-200			
Matrix Spike (2437091-MS1)				Source:	E409093-(09	Prepared: 0	9/13/24 /	Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	207	25.0	250	ND	83.0	38-132			
Surrogate: n-Nonane	40.4		50.0		80.7	50-200			
Matrix Spike Dup (2437091-MSD1)				Source:	E409093-(09	Prepared: 0	9/13/24	Analyzed: 09/14/24
Diesel Range Organics (C10-C28)	204	25.0	250	ND	81.4	38-132	1.88	20	
Surrogate: n-Nonane	41.7		50.0		83.4	50-200			



QC Summary Data

		$\mathbf{x} \in \mathbf{v}$	••••••		~					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager		12 Inch 4-Way I 23003-0002 Ashley Gioveng					Reported: 9/17/2024 11:55:11	AM
		Anions	by EPA	300.0/9056A	1				Analyst: DT	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %		
Blank (2437096-BLK1)							Prepared: 0	9/13/24	Analyzed: 09/13/24	
Chloride LCS (2437096-BS1)	ND	20.0					Prepared: 0	9/13/24	Analyzed: 09/13/24	
Chloride Matrix Spike (2437096-MS1)	254	20.0	250	Source:	102 E409093-(90-110)5	Prepared: 0	9/13/24	Analyzed: 09/13/24	
Chloride	751	20.0	250	466	114	80-120	D 10	0/12/24	A 1 1 00/12/24	
Matrix Spike Dup (2437096-MSD1)					E409093-(-	1		Analyzed: 09/13/24	
Chloride	708	20.0	250	466	96.9	80-120	5.82	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:	12 Inch 4-Way Riser Row	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/17/24 11:55

ND Analyte NOT DETECTED at or above the reporting lin	mit
---	-----

- 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
	Clier	nt Informa	ation			Invoice Information			Lab Use Only				TAT Stat		State				
Client:						npany: Ensolum LLC		L	ab WO	h WO# Job Number				1D	2D 31	Std			
roject:	Matador Prod 12	Juy Ris	er fi	22		dress: 3122 National Parks Hwy	1		E 40	qo q	131	23	D ²	5-00	DZ			X	X
	Manager: Asl				City	, State, Zip: Carlsbad NM, 8822	20												
	3122 Nation				Pho	ne: 575-988-0055						Ana	alysis	and	Met	hod			EPA Program
	te, Zip: Carls		8220		<u>Err</u>	ail: agiovengo@ensolum.com	1			1									SDWA CWA RCRA
	<u>575-988-005</u>				Mis	cellaneous:													
mail: a	giovengo@e	nsolum.co	m						8015	015									Compliance Y or N PWSID #
				Sami	ole Informatio)n			<u>ه</u> ا	P A B	021	560	300.0	N	хı.	letals			
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field Filter	Lab Numb		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 • TX	RCRA 8 Metals			Remarks
1016	9/11/2024	Soil	1	FSC	$(1 - 1)^{2}$			1						χ					
024	9/11/hozy	Soil	1	FSO	02-1 ¹			2						χ					
304	9/11/2024	<u> 50:1</u>	1	FSO	3-41				30					X					
320	9/11/2024	Soil			4-41			4						χ				-	
1516	9/11/2024	Soil				F505-4'	_	5	_ _		-			X					
	9/11/2024				1-0-4			10						X					
	9/11/2024		1	<u> 5wo</u>	2-0-4'			//		-				X	_				
	9/11/2024		<u> </u>	SWO	3-0-4	· · · · · · · · · · · · · · · · · · ·		8		-				X					
1330	9/11/2024	50:1	<u> </u>	5w0	4 - 0-4	·		9		-	┢			χ			_		
						agiovengo@ensolum.com, ies					 								
i <mark>simmo</mark> (field san	ns@ensolum	.com				tampering with or intentionally mislabeling	_												
-	ned by: (Signatur	re)	Date 9/	12/2024	Time 10:15	Received by: (Signature) Michelle Goozales	Date	- 12)	IY Time	DIS	5				ed or re	ceived p			ust be received on ice the day they are g temp above 0 but less than 6 °C on
VVII	helle G	orrale		1324	Time 6220	Received by: (Signature)	_	· 31		<u>Y</u>	5			Rece	eiveo	l on i			se Only I
elinquis	ed by: (Signatu	re) -	Date		Time	Received by: (Signature)	Date		Tim					<u>T1</u> _			_ 12	2	<u>T3</u>
	ed by: (Signatu	·	Date		Time	Received by: (Signature)	Date		Tim					AVG			4		
	trix: S - Soil, Sd - S					arrangements are made. Hazardeus er			Type: g			_				-			for the analysis of the above
						arrangements are made. Hazardous sa this COC. The liability of the laborator									e clier	nt expe	nse. The	e report	for the analysis of the above

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. D	ate Received:	09/13/24	07:45	Work Order ID:	E409093
Phone:	(972) 371-5200 D	ate Logged In:	09/12/24	12:56	Logged In By:	Caitlin Mars
Email:		ue 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	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Couier		
4. Was th	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		Comment	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 ye	s, were custody/security seals intact?		NA			
12. Was t	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 Ifno	minutes of sampling visible ice, record the temperature. Actual sample ter	nnoraturo: 1º	c			
		nperature. <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 containers	s collected?	Yes			
Field La		, concerea.	105			
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		Yes			
	Preservation	10				
	s the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved?	.1.9	NA			
	o filteration required and/or requested for dissolved meta	us?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
27. If ye	s, does the COC specify which phase(s) is to be analyze	d?	NA			
Subcont	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory?		No			

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:

12 Inch 4-Way Riser Row

Work Order: E409116

Job Number: 23003-0002

Received: 9/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/19/24

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: 9/19/24

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

Project Name: 12 Inch 4-Way Riser Row Workorder: E409116 Date Received: 9/16/2024 7:30:00AM

Ashley Giovengo,



Page 112 of 370

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2024 7:30:00AM, under the Project Name: 12 Inch 4-Way Riser Row.

The analytical test results summarized in this report with the Project Name: 12 Inch 4-Way Riser 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

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

		Sample Sum	mary		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	12 Inch 4-Way Rise 23003-0002	er Row	Reported:
Dallas TX, 75240		Project Number: Project Manager:	Ashley Giovengo		09/19/24 16:52
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S06 - 4'	E409116-01A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S07 - 4'	E409116-02A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S08 - 4'	E409116-03A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S09 - 2'	E409116-04A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S10 - 2'	E409116-05A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S11 - 2'	E409116-06A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S12 - 2'	E409116-07A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S13 - 2'	E409116-08A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S14 - 1'	E409116-09A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S15 - 1'	E409116-10A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
W05 - 0-4'	E409116-11A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
W06 - 0-2'	E409116-12A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
W07 - 0-2'	E409116-13A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
W08 - 0-2'	E409116-14A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
W09 - 0-2'	E409116-15A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.



	~	ampre 2					
Matador Resources, LLC.	Project Name	e: 12 I	nch 4-Way Riser I				
5400 LBJ Freeway, Suite 1500	Project Numl	ber: 230	03-0002			Reported:	
Dallas TX, 75240	Project Mana	iger: Ash	ley Giovengo	9/19/2024 4:52:01PM			
		FS06 - 4'					
		E409116-01					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007	
Benzene	ND	0.0250	1	09/16/24	09/17/24		
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24		
Toluene	ND	0.0250	1	09/16/24	09/17/24		
o-Xylene	ND	0.0250	1	09/16/24	09/17/24		
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24		
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24		
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	09/16/24	09/17/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	09/16/24	09/17/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2437110	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24		
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24		
Surrogate: n-Nonane		88.3 %	50-200	09/14/24	09/16/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2438019	
Chloride	309	20.0	1	09/16/24	09/16/24		





Sample Data

	G	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 230	nch 4-Way Riser I 03-0002 ley Giovengo	Row		Reported: 9/19/2024 4:52:01PM
		FS07 - 4'				
		E409116-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24	
Surrogate: n-Nonane		91.8 %	50-200	09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2438019
Chloride	1420	20.0	1	09/16/24	09/16/24	



Sample Data

	D	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way Riser 03-0002 ley Giovengo	Reported: 9/19/2024 4:52:01PM		
		FS08 - 4'				
		E409116-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24	
Surrogate: n-Nonane		89.8 %	50-200	09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2438019
Chloride	2280	20.0	1	09/16/24	09/16/24	



Sample Data

	D D	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 230	nch 4-Way Riser I 03-0002 ley Giovengo	Reported: 9/19/2024 4:52:01PM		
		FS09 - 2'				
		E409116-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24	
Surrogate: n-Nonane		94.8 %	50-200	09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2438019
Chloride	299	20.0	1	09/16/24	09/16/24	



Sample Data

	5	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 2300	nch 4-Way Riser 03-0002 ley Giovengo	Reported: 9/19/2024 4:52:01PM		
		FS10 - 2'				
		E409116-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Colatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: CG		Batch: 2438007
enzene	ND	0.0250	1	09/16/24	09/17/24	
thylbenzene	ND	0.0250	1	09/16/24	09/17/24	
oluene	ND	0.0250	1	09/16/24	09/17/24	
-Xylene	ND	0.0250	1	09/16/24	09/17/24	
,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
otal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
urrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	09/16/24	09/17/24	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG		Batch: 2438007
asoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	09/16/24	09/17/24	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2437110
iesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24	
vil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24	
urrogate: n-Nonane		90.0 %	50-200	09/14/24	09/16/24	
nions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2438019
hloride	364	20.0	1	09/16/24	09/17/24	



Sample Data

	5	ample D	ala				
Matador Resources, LLC.	Project Name	e: 12 I	nch 4-Way Ris	ser Row			
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 230	03-0002			Reported:	
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			9/19/2024 4:52:01PM	
		FS11 - 2'					
		E409116-06					
		Reporting					
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: CG		Batch: 2438007	
Benzene	ND	0.0250	1	09/16/24	09/17/24		
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24		
Toluene	ND	0.0250	1	09/16/24	09/17/24		
o-Xylene	ND	0.0250	1	09/16/24	09/17/24		
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24		
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24		
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	09/16/24	09/17/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2438007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	09/16/24	09/17/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2437110	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24		
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24		
Surrogate: n-Nonane		87.6 %	50-200	09/14/24	09/16/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2438019	
Chloride	126	20.0	1	09/16/24	09/16/24		



Sample Data

	2	bample D	ลเล				
Matador Resources, LLC.	Project Name	e: 12 I	nch 4-Way Rise	er Row			
5400 LBJ Freeway, Suite 1500	Project Num	ber: 230	03-0002		Reported:		
Dallas TX, 75240	Project Mana	ager: Ash	ley Giovengo			9/19/2024 4:52:01PM	
		FS12 - 2'					
		E409116-07					
		Reporting					
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438007	
Benzene	ND	0.0250	1	09/16/24	09/17/24		
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24		
Toluene	ND	0.0250	1	09/16/24	09/17/24		
p-Xylene	ND	0.0250	1	09/16/24	09/17/24		
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24		
Fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24		
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	09/16/24	09/17/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2438007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	09/16/24	09/17/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2437110	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24		
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24		
Surrogate: n-Nonane		90.4 %	50-200	09/14/24	09/16/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: JM		Batch: 2438019	
Chloride	76.5	20.0	1	09/16/24	09/17/24		



Sample Data

	3	ample D	ลเล			
Matador Resources, LLC.	Project Name	:: 12 I	nch 4-Way Rise	er Row		
5400 LBJ Freeway, Suite 1500	Project Numb	ber: 230	03-0002	Reported:		
Dallas TX, 75240	Project Mana	ger: Ash	ley Giovengo			9/19/2024 4:52:01PM
		FS13 - 2'				
		E409116-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Foluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24	
Surrogate: n-Nonane		80.6 %	50-200	09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2438019
Chloride	159	20.0	1	09/16/24	09/17/24	



Sample Data

	D	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 230	nch 4-Way Riser 1 03-0002 ley Giovengo	Row		Reported: 9/19/2024 4:52:01PM
		FS14 - 1'				
		E409116-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/16/24	
Surrogate: n-Nonane		105 %	50-200	09/14/24	09/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2438019
Chloride	93.8	20.0	1	09/16/24	09/17/24	



Sample Data

	5	ample D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	nch 4-Way Riser 1 03-0002 ley Giovengo		Reported: 9/19/2024 4:52:01PM	
		FS15 - 1'				
		E409116-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
thylbenzene	ND	0.0250	1	09/16/24	09/17/24	
oluene	ND	0.0250	1	09/16/24	09/17/24	
-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
urrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
urrogate: n-Nonane		90.9 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2438019
Chloride	75.2	20.0	1	09/16/24	09/17/24	



Sample Data

	50	imple D	ala			
Matador Resources, LLC.	Project Name:		nch 4-Way Riser	Row		Reported:
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Numbe Project Manage		ey Giovengo			9/19/2024 4:52:01PM
	, ,		ey olovengo			
		SW05 - 0-4'				
		E409116-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		86.2 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2438019
Chloride	139	20.0	1	09/16/24	09/17/24	



	56	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	nch 4-Way Riser 03-0002 ley Giovengo	Row		Reported: 9/19/2024 4:52:01PM
	S	SW06 - 0-2'				
		E409116-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		93.1 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2438019
Chloride	275	20.0	1	09/16/24	09/17/24	



	D	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	er: 2300	nch 4-Way Riser 03-0002 ley Giovengo	Row		Reported: 9/19/2024 4:52:01PM
	Ś	SW07 - 0-2'				
		E409116-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
oluene	ND	0.0250	1	09/16/24	09/17/24	
-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
urrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
urrogate: n-Nonane		93.8 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2438019
Chloride	118	20.0	1	09/16/24	09/17/24	



Sample Data

	50	imple D	ala			
Matador Resources, LLC.	Project Name:		nch 4-Way Riser	Row		Reported:
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002		•	
Dallas TX, 75240	Project Manag	er: Ash	ley Giovengo			9/19/2024 4:52:01PM
	S	SW08 - 0-2'				
]	E409116-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		89.6 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2438019
Chloride	282	20.0	1	09/16/24	09/17/24	



Sample Data

	50	imple D	ala			
Matador Resources, LLC.	Project Name:		nch 4-Way Ris	er Row		
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002			Reported:
Dallas TX, 75240	Project Manag	er: Ash	ey Giovengo			9/19/2024 4:52:01PM
	5	SW09 - 0-2'				
	-	E409116-15				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438007
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
p-Xylene	ND	0.0250	1	09/16/24	09/17/24	
o,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Fotal Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2437110
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		93.3 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2438019
Chloride	107	20.0	1	09/16/24	09/17/24	



QC Summary Data

		<u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	2 Inch 4-Way 1 3003-0002 shley Gioveng					Reported: 9/19/2024 4:52:01PM
				by EPA 802					Analyst: CG
		Reporting	Spike	Source		Rec		RPD	<u>,</u>
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438007-BLK1)							Prepared: 0	9/16/24 A	nalyzed: 09/17/24
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: 4-Bromochlorobenzene-PID	7.82	0.0230	8.00		97.7	70-130			
LCS (2438007-BS1)							Prepared: 0	9/16/24 A	nalyzed: 09/17/24
Benzene	5.59	0.0250	5.00		112	70-130			
Ethylbenzene	5.39	0.0250	5.00		108	70-130			
Toluene	5.51	0.0250	5.00		110	70-130			
o-Xylene	5.37	0.0250	5.00		107	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.3	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			
Matrix Spike (2438007-MS1)				Source:	E409116-0	7	Prepared: 0	9/16/24 A	nalyzed: 09/17/24
Benzene	5.57	0.0250	5.00	ND	111	54-133			
Ethylbenzene	5.37	0.0250	5.00	ND	107	61-133			
Toluene	5.49	0.0250	5.00	ND	110	61-130			
o-Xylene	5.36	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.3	0.0250	15.0	ND	109	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			
Matrix Spike Dup (2438007-MSD1)				Source:	E409116-0	7	Prepared: 0	9/16/24 A	analyzed: 09/17/24
Benzene	5.19	0.0250	5.00	ND	104	54-133	7.13	20	
Belizene	5.17					(1.122	6 70	20	
	5.02	0.0250	5.00	ND	100	61-133	6.70	20	
Ethylbenzene		0.0250 0.0250	5.00 5.00	ND ND	100 102	61-133	6.70 7.12	20	
Ethylbenzene Toluene	5.02								
Ethylbenzene Toluene o-Xylene	5.02 5.11	0.0250	5.00	ND	102	61-130	7.12	20	
Ethylbenzene Toluene o-Xylene p.m-Xylene Total Xylenes	5.02 5.11 5.01	0.0250 0.0250	5.00 5.00	ND ND	102 100	61-130 63-131	7.12 6.79	20 20	



QC Summary Data

		$\mathbf{x} \circ \sim$		ing Duu	~					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		2 Inch 4-Way I 3003-0002	Riser Row				Reported:	
Dallas TX, 75240		Project Manager:	А	shley Gioveng	<u>j</u> 0				9/19/2024 4:52:01PM	
	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 (2438007-BLK1)							Prepared: 0	9/16/24 A	nalyzed: 09/17/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130				
LCS (2438007-BS2)							Prepared: 0	9/16/24 A	nalyzed: 09/17/24	
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130				
Matrix Spike (2438007-MS2)				Source:	E409116-0	07	Prepared: 0	9/16/24 A	nalyzed: 09/17/24	
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130				
Matrix Spike Dup (2438007-MSD2)				Source:	E409116-0	07	Prepared: 0	9/16/24 A	nalyzed: 09/18/24	
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.3	70-130	1.63	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130				



QC Summary Data

		QU D		ing Data						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	23	2 Inch 4-Way 3 3003-0002					Reported:	
Dallas TX, 75240		Project Manager:	А	shley Gioveng	go				9/19/2024 4:52:01PM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst:									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2437110-BLK1)							Prepared: 0	9/14/24 A	nalyzed: 09/16/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	46.3		50.0		92.7	50-200				
LCS (2437110-BS1)							Prepared: 0	9/14/24 A	analyzed: 09/16/24	
Diesel Range Organics (C10-C28)	217	25.0	250		86.8	38-132				
Surrogate: n-Nonane	49.3		50.0		98.7	50-200				
Matrix Spike (2437110-MS1)				Source:	E409116-0	02	Prepared: 0	9/14/24 A	analyzed: 09/16/24	
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.5	38-132				
Surrogate: n-Nonane	50.8		50.0		102	50-200				
Matrix Spike Dup (2437110-MSD1)				Source:	E409116-(02	Prepared: 0	9/14/24 A	analyzed: 09/16/24	
Diesel Range Organics (C10-C28)	217	25.0	250	ND	86.8	38-132	0.707	20		
Surrogate: n-Nonane	46.1		50.0		92.3	50-200				



QC Summary Data

			•						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		12 Inch 4-Way l 23003-0002 Ashley Gioveng					Reported: 9/19/2024 4:52:01P
		Anions	by EPA	300.0/9056A	<u>۸</u>				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 (2438019-BLK1)							Prepared: 0	9/16/24 /	Analyzed: 09/16/24
Chloride	ND	20.0							
LCS (2438019-BS1)							Prepared: 0	9/16/24 /	Analyzed: 09/16/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2438019-MS1)				Source:	E409116-0	6	Prepared: 0	9/16/24 /	Analyzed: 09/16/24
Chloride	350	20.0	250	126	89.7	80-120			
Matrix Spike Dup (2438019-MSD1)				Source:	E409116-0	6	Prepared: 0	9/16/24 /	Analyzed: 09/16/24
Chloride	351	20.0	250	126	90.2	80-120	0.307	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:	12 Inch 4-Way Riser Row	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/19/24 16:52

- 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	Client Information Invoice Information		Lab Use Only							TAT			State	
ent: Matador Production Company	Company: Ensolum LLC		Lat	b WO#			Job N	lumb			D 2D	3D Std	NM CO UT TX	
pject: 12" 4 Way Riser Row	Address: 3122 National Parks Hwy	1	_ E	400	1116	0	23	00	3.00	50		X	X	
pject Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 8822	20	_	-									504 Dec	
dress: 3122 National Parks Hwy	Phone: 575-988-0055		-		-	-	Anal	ysis	and N	leth	od		EPA Program SDWA CWA RCRA	
y, State, Zip: Carlsbad NM, 88220 one: 575-988-0055	Email: agiovengo@ensolum.com Miscellaneous:	1	-										SDWA CWA INCHA	
nail: agiovengo@ensolum.com	Wiscenarieous.			5	ŝ								Compliance Y or N	
		-		y 8015	y 801	Ħ	0	0.0	5	×	als		PWSID #	
Sample	e Information			DRO b	RO b	y 802	y 826	de 30	C-N	- 500	8 Met		Demoster	
Time Date Sampled Matrix No. of Containers	Sample ID	Field	Lab Numbe	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		Remarks	
442 9/12/2024 50:1 1 FSO	6-4'		1				_		X					
145 1/12/2024 Soil 1 FSO	17-4'		2						X					
947 9/12/2024 Soil 1 FSC	04-4'		3						X					
	09-2'		4						X					
	10-2'		5						X					
	11 - 2'		4						χ					
308 9/12/2024 Soil 1 FS	12 - 2'		7						X					
	13 - 2'		8						X					
	14 - 1'		9						χ					
415 9/12/2024 Soil FS	15 - 14		10						X					
ditional Instructions: Please CC: cburton@ens	solum.com, agiovengo@ensolum.com, ies	trella@	Pensolu	um.co	m, bd	leal@	Penso	olum	.com	, cha	milton	@ensolun	n.com,	
immons@ensolum.com eld sampler), attest to the validity and authenticity of this sample.	I am aware that tampering with or intentionally mislabelin	g the san	ple locati	tion, date	or time	e of co	llection	is con	sidered	fraud	and may I	be grounds fo	r legal action.	
npled by:Brandon Deal				-		,	v		Complete	e a a contrat	a the second	procession m	ust be received on ice the day they are	
Inquished by: (Signature) Date (13/1024)	me Received by: (Signature)	Date	13:	24/	4	KL	5		sampled	or rece	ived packe		g temp above 0 but less than 6 °C on	
inguished by (Signature)	mg / Received by Signature)	Date	120	Time	1	F	-		subseau	ent dav	<u> </u>	Lab U	se Only	
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inquished by: (Signature) Date Ti	Received by Signature	Date	1. 21	Time	177	-			2				100	
f. H. 9.13.24		- 7→ / Date	6.24	Time	:30	/			<u>T1</u>			<u>T2</u>	<u>T3</u>	
inquished by: (Signature) Date Ti	me Received by: (Signature)	Date		inne					AVG	Tem	o°c d	4		
pple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other_								lastic	c, ag -	ambe	er glass,	v - VOA		
te: Samples are discarded 14 days after results are reported apples is applicable only to those samples received by the la	d unless other arrangements are made. Hazardous s	amples	will be re	eturned	to clie	ent or	dispos	ed of	at the	client	expense	. The report	for the analysis of the above	

Chain of Custody

roject: 12" 4 Way R.3wr Row roject Manager: Ashley Giovengo dd City, ddress: 3122 National Parks Hwy Phon ity, State, Zip: Carlsbad NM, 88220 Ema hone: 575-988-0055 Misc mail: agiovengo@ensolum.com Sample Informatio)			ŧ		e Onl Job N 23 Anal	lumi	<u>.</u> 00	02 [2D 3	3D St		A CO UT	TX
Toject: 12" 4 Way River Low Add roject Manager: Ashley Giovengo City, ddress: 3122 National Parks Hwy Email ity, State, Zip: Carlsbad NM, 88220 Email hone: 575-988-0055 Misc mail: agiovengo@ensolum.com Sample Informatio	ress: 3122 National Parks Hwy , State, Zip: Carlsbad NM, 88220 ne: 575-988-0055 ail: agiovengo@ensolum.com ellaneous: n)					23	XB.	<u>.</u> 00	02 [Ţ			
roject Manager: Ashley Giovengo City, ddress: 3122 National Parks Hwy Phone: ity, State, Zip: Carlsbad NM, 88220 Email hone: 575-988-0055 Misc mail: agiovengo@ensolum.com Sample Information	, <u>State, Zip: Carisbad NM, 88220</u> ne: 575-988-0055 ail: agiovengo@ensolum.com ellaneous: n)		F		*					nod			~ ~		
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Date Sampled Matrix				_ 8	RO b	y 802	, 826(е Ж	ž	1- 200	Met				Domosika	
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1130 9/12/2024 Soil 1 SWOS-0.	~ų'		11						χ							
135 9/12/2024 Soil 1 SWOG-0	-2'		12						χ							
142 9/12/2024 Soil 1 5w07.0.	-2'		13						χ							
1130 9/12/2024 Soil 1 SWOS-0 1135 9/12/2024 Soil 1 SWOG-0 1142 9/12/2024 Soil 1 SWOG-0 1340 9/12/2024 Soil 1 SWO8-0- 1321 9/12/2024 Soil 1 SWO9-0	-2'		14	!					X							
1321 A/12/1024 Goil 1 Swog - 0	-11		15	-					χ							
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dditional Instructions: Please CC: cburton@ensolum.com,	agiovengo@ensolum.com, lestre	ena(yeriso	um.co	m, D	Jeai(yens	oiun	1.00	n, ch	amil	ເບເເພ	CIISUI	u:::.c0111,		
simmons@ensolum.com (field sampler), attest to the validity and authenticity of this sample. I am aware that	tampering with or intentionally mislabeling t	the sa	nple loca	tion, date	e or tim	e of co	llection	is co	nsidere	d frau	d and	may be	ground	for legal action	on.	
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ote: Samples are discarded 14 days after results are reported unless other a														ort for the a	nalysis of th	e above

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eceived by OCD: 10/11/2024 3:17:47 PM

Page <u>2</u> of <u>7</u>

envirotech

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	09/16/24	07:30	Work Order ID:	E409116
Phone:	(972) 371-5200 Da	te Logged In:	09/13/24	15:51	Logged In By:	Noe Soto
Email:		e Date:	09/20/24	17:00 (4 day TAT)		
Chain o	of 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 t	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	<u>Turn Around Time (TAT)</u>					
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	s, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
	es, were custody/security seals intact?		NA			
12. Was	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	o visible ice, record the temperature. Actual sample ten	nerature: 4º	C			
	Container		<u> </u>			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he 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			100			
	e field sample labels filled out with the minimum information	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation					
	s the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?	1.0	NA			
	b filteration required and/or requested for dissolved meta	ls?	No			
	hase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
27. If ye	es, does the COC specify which phase(s) is to be analyzed	1?	NA			
<u>Subcon</u>	tract Laboratory					
28. Are	samples required to get sent to a subcontract laboratory?		No			

Date



envirotech Inc.

Released to Imaging: 10/30/2024 3:59:26 PM

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:

12 Inch 4-Way Riser Row

Work Order: E409123

Job Number: 230003-0002

Received: 9/17/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/23/24

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: 9/23/24

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

Project Name: 12 Inch 4-Way Riser Row Workorder: E409123 Date Received: 9/17/2024 5:00:00AM

Ashley Giovengo,



Page 140 of 370

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/17/2024 5:00:00AM, under the Project Name: 12 Inch 4-Way Riser Row.

The analytical test results summarized in this report with the Project Name: 12 Inch 4-Way Riser 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

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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Sample Summary

		Sample Sum	mai y		
Matador Resources, LLC.	Matador Resources, LLC.		12 Inch 4-Way Rise	er Row	Reported:
5400 LBJ Freeway, Suite 1500		Project Number: 230003-0002			Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		09/23/24 11:55
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S16 - 2.5'	E409123-01A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
S17 - 2.5'	E409123-02A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
\$18 - 2.5'	E409123-03A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
S19 - 2'	E409123-04A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
S20 - 2'	E409123-05A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
S21 - 2'	E409123-06A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
S22 - 2'	E409123-07A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
823 - 2'	E409123-08A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
S24 - 1'	E409123-09A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
W10 - 0-2.5'	E409123-10A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
W11 - 0-2'	E409123-11A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.



	S	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way Ris 003-0002 ley Giovengo	Reported: 9/23/2024 11:55:51AM		
	T Tojeet Maila	-	icy Gloveligo)/25/2024 11:55:51/1W
		FS16 - 2.5'				
		E409123-01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		90.2 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2438027
Chloride	58.9	20.0	1	09/17/24	09/17/24	



Sample Data

	5	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	nch 4-Way Riser 1 003-0002 ley Giovengo	Row		Reported: 9/23/2024 11:55:51AM
		FS17 - 2.5'				
		E409123-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
p-Xylene	ND	0.0250	1	09/17/24	09/18/24	
o,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Fotal Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		92.7 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2438027
Chloride	77.7	20.0	1	09/17/24	09/17/24	


Sample Data

	D	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 230	nch 4-Way Riser 003-0002 ley Giovengo	Row		Reported: 9/23/2024 11:55:51AM
		FS18 - 2.5'				
		E409123-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
p-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: CG		Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		92.4 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2438027
Chloride	49.6	20.0	1	09/17/24	09/17/24	



Sample Data

	5	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 230	nch 4-Way Riser I 003-0002 ley Giovengo	Row		Reported: 9/23/2024 11:55:51AM
		FS19 - 2'				
		E409123-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
p-Xylene	ND	0.0250	1	09/17/24	09/18/24	
o,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		89.6 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2438027
Chloride	74.8	20.0	1	09/17/24	09/17/24	



Sample Data

	5		ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numł Project Mana	ber: 230	nch 4-Way Riser I 003-0002 ley Giovengo	Row		Reported: 9/23/2024 11:55:51AM
		FS20 - 2'				
		E409123-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
p-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Fotal Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		93.1 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2438027
Chloride	ND	20.0	1	09/17/24	09/17/24	



Sample Data

	5	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 230	nch 4-Way Riser I 003-0002 ley Giovengo	Row		Reported: 9/23/2024 11:55:51AM
		FS21 - 2'				
		E409123-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
p-Xylene	ND	0.0250	1	09/17/24	09/18/24	
o,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Fotal Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		95.0 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2438027
Chloride	29.4	20.0	1	09/17/24	09/17/24	



Sample Data

	0	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	nch 4-Way Riser I 003-0002 ley Giovengo	Row		Reported: 9/23/2024 11:55:51AM
		FS22 - 2'				
		E409123-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
o,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Fotal Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		97.8 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		101 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2438027
Chloride	34.8	20.0	1	09/17/24	09/17/24	



Sample Data

	5		ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	nch 4-Way Riser I 003-0002 ley Giovengo	Row		Reported: 9/23/2024 11:55:51AM
		FS23 - 2'				
		E409123-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
p-Xylene	ND	0.0250	1	09/17/24	09/18/24	
o,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		98.6 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		96.1 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2438027
Chloride	73.1	20.0	1	09/17/24	09/17/24	



Sample Data

	0	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	nch 4-Way Riser 003-0002 ley Giovengo	Row		Reported: 9/23/2024 11:55:51AM
		FS24 - 1'				
		E409123-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
p-Xylene	ND	0.0250	1	09/17/24	09/18/24	
o,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		84.1 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2438027
Chloride	23.0	20.0	1	09/17/24	09/17/24	



Sample Data

	50	ampic D	ala			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	nch 4-Way Riser I 003-0002 ley Giovengo	Row		Reported: 9/23/2024 11:55:51AM
	S	W10 - 0-2.5				
		E409123-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
p-Xylene	ND	0.0250	1	09/17/24	09/18/24	
o,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Fotal Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		87.9 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2438027
Chloride	340	20.0	1	09/17/24	09/17/24	



Sample Data

	5	ampic D	uta			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numb		nch 4-Way Riser I 003-0002	Row		Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovengo		9/23/2024 11:55:51AM	
		SW11 - 0-2'				
		E409123-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
o,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
urrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: CG		Batch: 2438025
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438040
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		86.0 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2438027
Chloride	56.3	20.0	1	09/17/24	09/17/24	



QC Summary Data

		<u> </u>							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	23	2 Inch 4-Way 3 30003-0002					Reported:
Dallas TX, 75240		Project Manager:	Α	shley Gioveng	go				9/23/2024 11:55:51AM
		Volatile O	rganics l	by EPA 802	21B				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 (2438025-BLK1)							Prepared: 0	9/17/24	Analyzed: 09/17/24
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: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			
LCS (2438025-BS1)							Prepared: 0	9/17/24	Analyzed: 09/17/24
Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
p-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.7	70-130			
Matrix Spike (2438025-MS1)				Source:	E409122-0	2	Prepared: 0	9/17/24	Analyzed: 09/17/24
Benzene	5.59	0.0250	5.00	ND	112	54-133			
Ethylbenzene	5.37	0.0250	5.00	ND	107	61-133			
Toluene	5.50	0.0250	5.00	ND	110	61-130			
p-Xylene	5.36	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.3	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			
Matrix Spike Dup (2438025-MSD1)				Source:	E409122-0	2	Prepared: 0	9/17/24	Analyzed: 09/17/24
Benzene	5.29	0.0250	5.00	ND	106	54-133	5.58	20	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	5.60	20	
Toluene	5.20	0.0250	5.00	ND	104	61-130	5.47	20	
p-Xylene	5.08	0.0250	5.00	ND	102	63-131	5.45	20	
	10.2	0.0500	10.0	ND	103	63-131	5.53	20	
p,m-Xylene	10.3	0.0500	10.0	ND	105	05-151	0.00		
p,m-Xylene Total Xylenes	10.3	0.0250	15.0	ND	103	63-131	5.50	20	



QC Summary Data

		QU N	u	ii y Date	-				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	23	2 Inch 4-Way I 30003-0002					Reported:
Dallas TX, 75240		Project Manager:	A	shley Gioveng	<u>;</u> 0				9/23/2024 11:55:51AM
	Noi	nhalogenated C	Organics	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 (2438025-BLK1)							Prepared: 0	9/17/24 A	analyzed: 09/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			
LCS (2438025-BS2)							Prepared: 0	9/17/24 A	analyzed: 09/17/24
Gasoline Range Organics (C6-C10)	40.8	20.0	50.0		81.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.4	70-130			
Matrix Spike (2438025-MS2)				Source:	E409122-	02	Prepared: 0	9/17/24 A	analyzed: 09/18/24
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.6	70-130			
Matrix Spike Dup (2438025-MSD2)				Source:	E409122-	02	Prepared: 0	9/17/24 A	analyzed: 09/18/24
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.3	70-130	10.0	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

		$\mathbf{x} \in \mathbf{z}$			•				
Matador Resources, LLC.		Project Name:	12	2 Inch 4-Way F	Riser Row				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	30003-0002					
Dallas TX, 75240		Project Manager:	A	shley Gioveng	0				9/23/2024 11:55:51AM
	Nonh	alogenated Org	anics 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 (2438040-BLK1)							Prepared: 0	9/17/24 <i>A</i>	Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.7		50.0		97.5	50-200			
LCS (2438040-BS1)							Prepared: 0	9/17/24 A	Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	196	25.0	250		78.3	38-132			
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			
LCS Dup (2438040-BSD1)							Prepared: 0	9/17/24 <i>A</i>	Analyzed: 09/20/24
Diesel Range Organics (C10-C28)	202	25.0	250		80.7	38-132	3.03	20	
Surrogate: n-Nonane	48.1		50.0		96.2	50-200			



QC Summary Data

			•	<i>J</i> –					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	-	12 Inch 4-Way l 230003-0002 Ashley Gioveng					Reported: 9/23/2024 11:55:51AM
		, ,		300.0/9056A					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 (2438027-BLK1)							Prepared: 0	9/17/24 <i>A</i>	Analyzed: 09/17/24
Chloride	ND	20.0							
LCS (2438027-BS1)							Prepared: 0	9/17/24 A	Analyzed: 09/17/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2438027-MS1)				Source:	E409122-0)3	Prepared: 0	9/17/24 A	Analyzed: 09/17/24
Chloride	361	20.0	250	102	103	80-120			
Matrix Spike Dup (2438027-MSD1)				Source:	E409122-0)3	Prepared: 0	9/17/24 <i>A</i>	Analyzed: 09/17/24
Chloride	360	20.0	250	102	103	80-120	0.116	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:	12 Inch 4-Way Riser Row	
5400 LBJ Freeway, Suite 1500	Project Number:	230003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/23/24 11:55

ND Analyte 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.



Chain of Custody

	Clie	nt Inform	nation			In	voice Informatio	on				Lab U	se O	nly				TAT			State	
Client: N	latador Prod	duction C			Cor	mpany: En	isolum LLC			ab W				Num			1D 2D 3D Std NM CO UT TX				TX	
Project:	12" 4-	Way	Riser f	ZOW	Ad	dress: 312	2 National Parks	Hwy		EHO	91:	23	2	300	3-00	SO			X	X		
	lanager: As						: Carlsbad NM,	88220		-									-		-	
and the second se	3122 Natio					one: 575-9		-			-	-	An	alysis	and	Meth	od	11			Progra	
	e, Zip: Carls		88220			and the second second	engo@ensolum	.com	-		-								3	DWA	CWA	RCRA
	75-988-005				Mis	cellaneous:													C	mpliance	Y	or N
Email: a	giovengo@e	ensolum.c	com	-						1	3015	STU					~		-	WSID #		01 14
				Sample	e Informatio	n					Add	3021	260	300.0	WN	X1- 9	Aetal		÷	1510 11		
Time Sampled	Date Sampled	Matrix	No. of Containers	oumpre		Sample ID		Field	Lab Numb	ber	DRO/ORO by 8015	GRO/URO BY 8015 BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005	RCRA 8 Metals			1	Remarks	
9:29	9/13/24	Soil	1	FS	516 -	2.5			1						X	-						
9:31	1	1	1	F	517-	2.5			2	2					X							
1:32				F	518-	2.5	1		3	,					X							
9:35				F	519-	2			Ц						X							
9:36				F	520-	. 2`			5	s					X							
9:38				F	521-	- 2			6	>					X							
9:40				F	522	-2			7						X							
11:26				F	-52-	3-2			8	S					X						_	
11:38				F	-521	1-1	•		9	1					X							
9:53						-)-2.5		11	-					X							
	al Instructions@ensolun		ase CC: cb	ourton@ens	solum.com,	agiovengo	@ensolum.com	, iestrella	a@ensc	olum.	com,	bdea	@en	solur	n.cor	n, cha	milt	n@ensc	olum.c	om,		
I, (field sam	oler), attest to th Cole Burton and	ne validity an		of this sample.	I am aware tha	t tampering wi	th or intentionally mis	labeling the :	ample loc	ation, d	late or	time of	collect	ion is co	onsider	ed frau	d and n	ay be grour	nds for le	gal action.		
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Cample Mas	rix: S - Soil, Sd - S	Collid Ca Ch	ideo A Aque	our O Other		-		Cc	ntainer	Type:	g - g	ass. p	- poly	/plast				ss, v - VO	A	-		
Note: Sam	nix. 5 - 501, 50 - 5	ded 14 day	s after resul	ts are reported	d unless other	arrangemen	ts are made. Hazard													r the analy	sis of the	above

Page _____ of ____

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Received by OCD: 10/11/2024 3:17:47 PM

Chain of Custody

Analysis and Method EPA Program Phone: 575-988-0005 Inst: aplovengo@ensolum.com Miscellaneous: Markin Sample Information Sample Information Sample Information Sample ID Sample Information Sample ID Sample Information Sample ID Sample ID Sample ID Sample ID Sample ID Sample ID Sample ID INV3 GA / M GA / M Sample ID Sample ID Sample ID INV3 GA / M GA / M Sample ID INV3 GA / M INV3		Clier	nt Informa	ation				Inv	voice Inf	ormation				La	b Us	e On	ly				TAT			State	
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Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, sampler bc:08 provide the sample focation, date or time of collection is considered fraud and may be grounds for legal action. Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, sampler bc:08 provide the sample focation, date or time of collection is considered fraud and may be grounds for legal action. Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, sampler bc:08 provide the sample focation, date or time of collection is considered fraud and may be grounds for legal action. Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, sampler bc:08 provide the sample focation, date or time of collection is considered fraud and may be grounds for legal action. Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com,		Date Sampled	Matrix				Sar	mple ID			Field	Lab Numbe	DRO/O	GRO/D	втех н	VOC b	Chlorie	BGDO	TCEQ 1	RCRA				Remarks	-
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	Inde	en No	80	1.0	9.164			un	yn Ic	. Hello		17-2	_		0			T1_			<u>T2</u>			<u>r</u> 3	
Relinquished by: (Signature) Date Time Received by (Signature) Date Time AVG Temp °C	elinquist	ed by: (Signatur	e)	Date		Time	Re	ceived by	(Signatur	e)	Date		Time	e				AVG	Ten	np °C	4				
Container Type: g - glass, p - poly/plastic, ag - amber glass, y - VOA	Sample Ma	trix: S - Soil, Sd - S	olid, Sg - Sludg	ge, A - Aque	ous, O - Othe	er					Con	tainer Ty	pe: g	- glass	s, p -	poly/	plast		amb	er glas	s, v - VO/	4			
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	Note: Sam	ples are discard	ed 14 days a	after result	s are repor	ted unless o	ther arra	angement	ts are made	e. Hazardous	samples	will be re	turned	to clie	ent or	dispo	sed o	f at the	e clier	t exper	se. The rep	port f	or the analy	sis of the	above
samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	samples is	applicable only	to those san	mples rece	ived by the	laboratory	with this	COC. The	e liability o	f the laborato	ry is lim	ted to the	e amou	int pai	d for a	on the	repo	rt.							

Page 2 of 2

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	ate Received:	09/17/24	05:00	Work Order ID:	E409123
Phone:	(972) 371-5200 Da	ate Logged In:	09/16/24	14:23	Logged In By:	Caitlin Mars
Email:		ie Date:		17:00 (4 day TAT)		
<u>Chain c</u>	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	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		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
6. Did t	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was	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	o visible ice, record the temperature. Actual sample tem	nnerature: 4º	'C			
	Container		<u> </u>			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he 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			
19. Is the	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	••••					
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
-	<u>Preservation</u>		ът.			
	s the COC or field labels indicate the samples were prese	nveu?	No			
	sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	10?	NA No			
			INU			
	hase Sample Matrix		.			
			No			
	es, 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			
	a subcontract laboratory specified by the client and if so	rrula o 9	NA	Subcontract Lab: NA		

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



envirotech Inc.





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:

12 Inch 4-Way Riser Row

Work Order: E409130

Job Number: 23003-0002

Received: 9/18/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/24/24

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: 9/24/24

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

Project Name: 12 Inch 4-Way Riser Row Workorder: E409130 Date Received: 9/18/2024 5:00:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2024 5:00:00AM, under the Project Name: 12 Inch 4-Way Riser Row.

The analytical test results summarized in this report with the Project Name: 12 Inch 4-Way Riser 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

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Envirotech Web Address: www.envirotech-inc.com

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Chain of Custody etc.

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Sample Summarv

		Sample Sum	mary		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	12 Inch 4-Way Rise 23003-0002	er Row	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		09/24/24 12:27
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S26 - 1'	E409130-01A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
'S27 - 1'	E409130-02A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
'S28 - 1'	E409130-03A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
S29 - 1'	E409130-04A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
830 - 1.5'	E409130-05A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
831 - 1.5'	E409130-06A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
832 - 1'	E409130-07A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
833 - 1.5'	E409130-08A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
S34 - 1'	E409130-09A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
835 - 1'	E409130-10A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
S36 - 1'	E409130-11A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
S43 - 1'	E409130-12A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
S44 - 1'	E409130-13A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.
W12 - 0-1.5'	E409130-14A	Soil	09/16/24	09/18/24	Glass Jar, 2 oz.



	S	Sample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Man	ber: 2300	nch 4-Way R 03-0002 ley Giovengo			Reported: 9/24/2024 12:27:29PM
L		FS26 - 1'				
		E409130-01				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	l Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: IY		Batch: 2438055
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		87.2 %	70-130	09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	09/18/24	09/19/24	
Surrogate: Toluene-d8		99.4 %	70-130	09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2438055
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		87.2 %	70-130	09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	09/18/24	09/19/24	
Surrogate: Toluene-d8		99.4 %	70-130	09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	Analyst: AF		Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/22/24	
Surrogate: n-Nonane		94.6 %	50-200	09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM		Batch: 2438053
Chloride	46.8	20.0	1	09/18/24	09/18/24	



Sample Data

	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 230	nch 4-Way)3-0002 ley Gioven		ow		Reported: 9/24/2024 12:27:29PM
		FS27 - 1'					
		E409130-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438055
Benzene	ND	0.0250		1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250		1	09/18/24	09/19/24	
oluene	ND	0.0250		1	09/18/24	09/19/24	
-Xylene	ND	0.0250		1	09/18/24	09/19/24	
,m-Xylene	ND	0.0500		1	09/18/24	09/19/24	
Fotal Xylenes	ND	0.0250		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		88.4 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		09/18/24	09/19/24	
urrogate: Toluene-d8		98.3 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2438055
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		88.4 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		98.3 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24	
urrogate: n-Nonane		94.3 %	50-200		09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2438053
Chloride	21.9	20.0		1	09/18/24	09/18/24	



Sample Data

	N N	sample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 230	nch 4-Way)3-0002 ley Gioven		ow		Reported: 9/24/2024 12:27:29PM
		FS28 - 1'					
		E409130-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438055
Benzene	ND	0.0250		1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250		1	09/18/24	09/19/24	
Toluene	ND	0.0250		1	09/18/24	09/19/24	
o-Xylene	ND	0.0250		1	09/18/24	09/19/24	
,m-Xylene	ND	0.0500		1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		85.1 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		97.7 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2438055
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		85.1 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		97.7 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24	
urrogate: n-Nonane		91.6 %	50-200		09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2438053
Chloride	80.8	20.0		1	09/18/24	09/18/24	



Sample Data

	54	imple D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number	r: 2300	nch 4-Way 03-0002		low		Reported:
Dallas TX, 75240	Project Manage	er: Ash	ley Giover	igo			9/24/2024 12:27:29PM
		FS29 - 1'					
]	E409130-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438055
Benzene	ND	0.0250		1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250		1	09/18/24	09/19/24	
Toluene	ND	0.0250		1	09/18/24	09/19/24	
-Xylene	ND	0.0250		1	09/18/24	09/19/24	
o,m-Xylene	ND	0.0500		1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		86.3 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4	1	94.9 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8	!	96.9 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438055
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		86.3 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		09/18/24	09/19/24	
lurrogate: Toluene-d8		96.9 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24	
Surrogate: n-Nonane	;	90.9 %	50-200		09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2438053
Chloride	119	20.0		1	09/18/24	09/18/24	



Sample Data

	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 2300	nch 4-Way)3-0002 ley Gioven		ow		Reported: 9/24/2024 12:27:29PM
		FS30 - 1.5'					
		E409130-05					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438055
Benzene	ND	0.0250		1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250		1	09/18/24	09/19/24	
Toluene	ND	0.0250		1	09/18/24	09/19/24	
-Xylene	ND	0.0250		1	09/18/24	09/19/24	
o,m-Xylene	ND	0.0500		1	09/18/24	09/19/24	
Fotal Xylenes	ND	0.0250		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		85.2 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		97.2 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2438055
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		85.2 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		97.2 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24	
Surrogate: n-Nonane		95.1 %	50-200		09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2438053
Chloride	152	20.0		1	09/18/24	09/18/24	



Sample Data

		imple D	a eu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/24/2024 12:27:29PM
]	FS31 - 1.5'					
]	E409130-06					
	Dk	Reporting	D.	. <i>.</i> :			
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438055
Benzene	ND	0.0250		1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250		1	09/18/24	09/19/24	
Toluene	ND	0.0250		1	09/18/24	09/19/24	
p-Xylene	ND	0.0250		1	09/18/24	09/19/24	
o,m-Xylene	ND	0.0500		1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		86.6 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		98.4 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY	Batch: 2438055	
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		86.6 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		98.4 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24	
Surrogate: n-Nonane		91.2 %	50-200		09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2438053
Chloride	103	20.0		1	09/18/24	09/18/24	



Sample Data

	56	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/24/2024 12:27:29PM
		FS32 - 1'					
		E409130-07					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2438055
Benzene	ND	0.0250		1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250		1	09/18/24	09/21/24	
Toluene	ND	0.0250		1	09/18/24	09/21/24	
-Xylene	ND	0.0250		1	09/18/24	09/21/24	
,m-Xylene	ND	0.0500		1	09/18/24	09/21/24	
Fotal Xylenes	ND	0.0250		1	09/18/24	09/21/24	
Surrogate: Bromofluorobenzene		105 %	70-130		09/18/24	09/21/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		09/18/24	09/21/24	
Surrogate: Toluene-d8		107 %	70-130		09/18/24	09/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2438055
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/21/24	
Surrogate: Bromofluorobenzene		105 %	70-130		09/18/24	09/21/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		09/18/24	09/21/24	
Surrogate: Toluene-d8		107 %	70-130		09/18/24	09/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24	
Surrogate: n-Nonane		96.4 %	50-200		09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: JM		Batch: 2438053
Chloride	149	20.0		1	09/18/24	09/18/24	



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Matador Resources, LLC.								
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Numbe Project Manag		ley Gioven	Reported: 9/24/2024 12:27:29PM				
Dunus 11, 702 10				50				
]	FS33 - 1.5'						
]	E409130-08						
		Reporting						
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438055	
Benzene	ND	0.0250		1	09/18/24	09/19/24		
Ethylbenzene	ND	0.0250		1	09/18/24	09/19/24		
Toluene	ND	0.0250		1	09/18/24	09/19/24		
p-Xylene	ND	0.0250		1	09/18/24	09/19/24		
o,m-Xylene	ND	0.0500		1	09/18/24	09/19/24		
Total Xylenes	ND	0.0250		1	09/18/24	09/19/24		
Surrogate: Bromofluorobenzene		86.1 %	70-130		09/18/24	09/19/24		
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		09/18/24	09/19/24		
Surrogate: Toluene-d8		97.4 %	70-130		09/18/24	09/19/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2438055	
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/19/24		
Surrogate: Bromofluorobenzene		86.1 %	70-130		09/18/24	09/19/24		
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		09/18/24	09/19/24		
Surrogate: Toluene-d8		97.4 %	70-130		09/18/24	09/19/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438049	
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24		
Oil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24		
Surrogate: n-Nonane		90.0 %	50-200		09/18/24	09/22/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2438053	
Chloride	168	20.0		1	09/18/24	09/18/24		



Sample Data

	Ja	imple D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/24/2024 12:27:29PM
		FS34 - 1'					
]	E409130-09					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438055
Benzene	ND	0.0250		1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250		1	09/18/24	09/19/24	
oluene	ND	0.0250		1	09/18/24	09/19/24	
-Xylene	ND	0.0250		1	09/18/24	09/19/24	
o,m-Xylene	ND	0.0500		1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		88.6 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		97.4 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2438055
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		88.6 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		97.4 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24	
Surrogate: n-Nonane		82.2 %	50-200		09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	JM		Batch: 2438053
Chloride	108	20.0		1	09/18/24	09/18/24	



Sample Data

	56	imple D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name:12 Inch 4-WayProject Number:23003-0002				.ow	Reported: 9/24/2024 12:27:29PM	
Dallas TX, 75240	Project Manag	er: Ash	ley Giover				
		FS35 - 1'					
]	E409130-10					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438055
Benzene	ND	0.0250		1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250		1	09/18/24	09/19/24	
Toluene	ND	0.0250		1	09/18/24	09/19/24	
p-Xylene	ND	0.0250		1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500		1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		85.1 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		99.0 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2438055
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		85.1 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		99.0 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24	
Surrogate: n-Nonane		93.6 %	50-200		09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2438053
Chloride	82.9	20.0		1	09/18/24	09/18/24	



Sample Data

	D	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	nch 4-Way)3-0002 ley Giover		Reported: 9/24/2024 12:27:29PM			
		FS36 - 1'					
		E409130-11					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438055
Benzene	ND	0.0250		1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250		1	09/18/24	09/19/24	
Toluene	ND	0.0250		1	09/18/24	09/19/24	
p-Xylene	ND	0.0250		1	09/18/24	09/19/24	
o,m-Xylene	ND	0.0500		1	09/18/24	09/19/24	
Fotal Xylenes	ND	0.0250		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		84.7 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		98.2 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438055
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/19/24	
Surrogate: Bromofluorobenzene		84.7 %	70-130		09/18/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		09/18/24	09/19/24	
Surrogate: Toluene-d8		98.2 %	70-130		09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24	
Surrogate: n-Nonane		130 %	50-200		09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2438053
Chloride	32.5	20.0		1	09/18/24	09/18/24	



Sample Data

	N N	sample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	ber: 2300	nch 4-Way)3-0002 ley Gioven		ow		Reported: 9/24/2024 12:27:29PM
		FS43 - 1'					
		E409130-12					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438055
Benzene	ND	0.0250		1	09/18/24	09/21/24	
Ethylbenzene	ND	0.0250		1	09/18/24	09/21/24	
Toluene	ND	0.0250		1	09/18/24	09/21/24	
)-Xylene	ND	0.0250		1	09/18/24	09/21/24	
,m-Xylene	ND	0.0500		1	09/18/24	09/21/24	
Fotal Xylenes	ND	0.0250		1	09/18/24	09/21/24	
Surrogate: Bromofluorobenzene		106 %	70-130		09/18/24	09/21/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		09/18/24	09/21/24	
urrogate: Toluene-d8		105 %	70-130		09/18/24	09/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2438055
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/21/24	
Surrogate: Bromofluorobenzene		106 %	70-130		09/18/24	09/21/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		09/18/24	09/21/24	
Surrogate: Toluene-d8		105 %	70-130		09/18/24	09/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438049
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24	
urrogate: n-Nonane		126 %	50-200		09/18/24	09/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2438053
Chloride	317	20.0		1	09/18/24	09/18/24	



Sample Data

		inple D	uu					
Matador Resources, LLC.	Project Name: 12 Inch 4-Way Riser Row							
5400 LBJ Freeway, Suite 1500	Project Number		23003-0002				Reported:	
Dallas TX, 75240	Project Manage	er: Ash	ey Gioven	igo			9/24/2024 12:27:29PM	
		FS44 - 1'						
	I	E409130-13						
		Reporting						
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438055	
Benzene	ND	0.0250		1	09/18/24	09/21/24		
Ethylbenzene	ND	0.0250		1	09/18/24	09/21/24		
Toluene	ND	0.0250		1	09/18/24	09/21/24		
p-Xylene	ND	0.0250		1	09/18/24	09/21/24		
o,m-Xylene	ND	0.0500		1	09/18/24	09/21/24		
Fotal Xylenes	ND	0.0250		1	09/18/24	09/21/24		
Surrogate: Bromofluorobenzene		107 %	70-130		09/18/24	09/21/24		
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/18/24	09/21/24		
Surrogate: Toluene-d8		108 %	70-130		09/18/24	09/21/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2438055	
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/21/24		
Surrogate: Bromofluorobenzene		107 %	70-130		09/18/24	09/21/24		
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/18/24	09/21/24		
urrogate: Toluene-d8		108 %	70-130		09/18/24	09/21/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438049	
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24		
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24		
Surrogate: n-Nonane		100 %	50-200		09/18/24	09/22/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2438053	
Chloride	113	20.0		1	09/18/24	09/18/24		



	3	ample D	ลเล						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	400 LBJ Freeway, Suite 1500Project Number:23003-0002								
	S	SW12 - 0-1.5'							
		E409130-14							
		Reporting	D		D				
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438055		
Benzene	ND	0.0250		1	09/18/24	09/21/24			
Ethylbenzene	ND	0.0250		1	09/18/24	09/21/24			
Toluene	ND	0.0250		1	09/18/24	09/21/24			
-Xylene	ND	0.0250		1	09/18/24	09/21/24			
o,m-Xylene	ND	0.0500		1	09/18/24	09/21/24			
Fotal Xylenes	ND	0.0250		1	09/18/24	09/21/24			
Surrogate: Bromofluorobenzene		107 %	70-130		09/18/24	09/21/24			
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		09/18/24	09/21/24			
Surrogate: Toluene-d8		105 %	70-130		09/18/24	09/21/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2438055		
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/18/24	09/21/24			
Surrogate: Bromofluorobenzene		107 %	70-130		09/18/24	09/21/24			
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		09/18/24	09/21/24			
Surrogate: Toluene-d8		105 %	70-130		09/18/24	09/21/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438049		
Diesel Range Organics (C10-C28)	ND	25.0		1	09/18/24	09/22/24			
Dil Range Organics (C28-C36)	ND	50.0		1	09/18/24	09/22/24			
Surrogate: n-Nonane		91.6 %	50-200		09/18/24	09/22/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2438053		
Chloride	32.2	20.0		1	09/18/24	09/18/24			


QC Summary Data

Matador Resources, LLC.		Project Name:	12	Inch 4-Way	Riser Row				Reported:	
5400 LBJ Freeway, Suite 1500		Project Number:	23	003-0002						
Dallas TX, 75240		Project Manager:	As	shley Gioveng	go			9/2	24/2024 12:27:29PM	
		Volatile Organic	Compo	unds by El	PA 82601	3	Analyst: IY			
Analyte		Reporting	Spike	Source		Rec		RPD		
-	Result	Limit	Level	Result	Rec	Limits	RPD	Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2438055-BLK1)							Prepared: 0	9/18/24 Ana	lyzed: 09/21/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Foluene	ND	0.0250								
p-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.543		0.500		109	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130				
Surrogate: Toluene-d8	0.532		0.500		106	70-130				
LCS (2438055-BS1)							Prepared: 0	9/18/24 Ana	lyzed: 09/21/24	
Benzene	2.37	0.0250	2.50		94.8	70-130				
Ethylbenzene	2.36	0.0250	2.50		94.5	70-130				
Foluene	2.42	0.0250	2.50		96.8	70-130				
p-Xylene	2.40	0.0250	2.50		96.1	70-130				
o,m-Xylene	4.78	0.0500	5.00		95.5	70-130				
Total Xylenes	7.18	0.0250	7.50		95.7	70-130				
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130				
Surrogate: Toluene-d8	0.537		0.500		107	70-130				
Matrix Spike (2438055-MS1)				Source:	E409130-0	07	Prepared: 0	9/18/24 Ana	lyzed: 09/21/24	
Benzene	2.32	0.0250	2.50	ND	92.9	48-131				
Ethylbenzene	2.41	0.0250	2.50	ND	96.5	45-135				
Toluene	2.40	0.0250	2.50	ND	96.0	48-130				
o-Xylene	2.49	0.0250	2.50	ND	99.4	43-135				
p,m-Xylene	4.93	0.0500	5.00	ND	98.6	43-135				
Total Xylenes	7.41	0.0250	7.50	ND	98.8	43-135				
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130				
Surrogate: Toluene-d8	0.528		0.500		106	70-130				
Matrix Spike Dup (2438055-MSD1)				Source:	E409130-0	07	Prepared: 0	9/18/24 Ana	lyzed: 09/21/24	
Benzene	2.27	0.0250	2.50	ND	90.6	48-131	2.46	23		
Ethylbenzene	2.40	0.0250	2.50	ND	95.8	45-135	0.687	27		
Foluene	2.39	0.0250	2.50	ND	95.4	48-130	0.648	24		
	2.49	0.0250	2.50	ND	99.6	43-135	0.241	27		
o-Xylene		0.0500	5.00	ND	99.1	43-135	0.567	27		
p-Xylene p.m-Xylene	4.96									
>-Xylene p,m-Xylene fotal Xylenes	4.96 7.45	0.0250	7.50	ND	99.3	43-135	0.458	27		
o,m-Xylene Fotal Xylenes	7.45		7.50	ND	99.3 111	43-135	0.458	27		
o,m-Xylene				ND			0.458	27		



QC Summary Data

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Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	2 Inch 4-Way I 3003-0002 Ashley Gioveng					Reported: 9/24/2024 12:27:29PM
	No	onhalogenated O	rganics	by EPA 801	15D - GR	80			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 (2438055-BLK1)							Prepared: 0	9/18/24 /	Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.543		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			
LCS (2438055-BS2)							Prepared: 0	9/18/24	Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			
Matrix Spike (2438055-MS2)				Source:	E409130-0	7	Prepared: 0	9/18/24	Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			
Matrix Spike Dup (2438055-MSD2)				Source:	E409130-0	7	Prepared: 0	9/18/24	Analyzed: 09/21/24
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	4.08	20	
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			



QC Summary Data

	46 9	umma	ing Dutt	•				
Matador Resources, LLC.	Project Name:	12	2 Inch 4-Way F	liser Row				Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23	3003-0002					
Dallas TX, 75240	Project Manager:	As	shley Gioveng	0				9/24/2024 12:27:29PM
No	onhalogenated Org	anics by	EPA 8015D) - DRO/	ORO			Analyst: AF
Analyte Resu	Reporting lt Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	g mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438049-BLK1)						Prepared: 0	9/18/24 /	Analyzed: 09/22/24
Diesel Range Organics (C10-C28) ND	25.0							
Dil Range Organics (C28-C36) ND	50.0							
Surrogate: n-Nonane 47.1		50.0		94.2	50-200			
LCS (2438049-BS1)						Prepared: 0	9/18/24 /	Analyzed: 09/22/24
Diesel Range Organics (C10-C28) 184	25.0	250		73.5	38-132			
Surrogate: n-Nonane 49.6	í	50.0		99.1	50-200			
LCS Dup (2438049-BSD1)						Prepared: 0	9/18/24	Analyzed: 09/22/24
107		250		74.9	38-132	1.71	20	
Diesel Range Organics (C10-C28) 187	25.0	250		74.8	38-132	1./1	20	



QC Summary Data

		$\chi \sim \sim$	••••••						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager		12 Inch 4-Way I 23003-0002 Ashley Gioveng					Reported: 9/24/2024 12:27:29PM
		Anions	by EPA	300.0/9056	۱				Analyst: JM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2438053-BLK1)							Prepared: 0	9/18/24	Analyzed: 09/18/24
Chloride	ND	20.0							
LCS (2438053-BS1)							Prepared: 0	9/18/24	Analyzed: 09/18/24
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2438053-MS1)				Source:	E409130-	03	Prepared: 0	9/18/24	Analyzed: 09/18/24
Chloride	339	20.0	250	80.8	103	80-120			
Matrix Spike Dup (2438053-MSD1)				Source:	E409130-	03	Prepared: 0	9/18/24	Analyzed: 09/18/24
Chloride	343	20.0	250	80.8	105	80-120	1.27	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:	12 Inch 4-Way Riser Row	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/24/24 12:27

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

				Cha	in of Cust	ody										Page o
	Clier	nt Inform	nation	Invoice Information	tion			Lab	Use	Only	y			Т	AT	State
Client: M	atador Prod	uction Co	ompany	Company: Ensolum LLC		Lab	WO#	100	Jo	b N	umbe	r	71	D 2D	3D St	td NM CO UT TX
	2″ イール anager: Ash			Address: 3122 National Par City, State, Zip: Carlsbad NM		- E	-104	130	2	3	03.	500	C	-	17	
	3122 Nation			Phone: 575-988-0055	1,00220	-			A	Analy	ysis a	nd N	etho	d		EPA Program
	, Zip: Carlsh			Email: agiovengo@ensolu	m.com				T	Т			T			SDWA CWA RCRA
	75-988-0055			Miscellaneous:												
mail: ag	iovengo@er	nsolum.co	om			-	by 8015	8015						,		Compliance Y or N PWSID #
				Sample Information			O by	Vd O	1700	8260	300.	WN	VI - 5001			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO E	GRO/DRO by 8015	BIEA BY 6021	VOC by 8260	Chloride 300.0	BGDOC - NM				Remarks
1:28	9/16/24	5	1	FS26-1' FS27-1'		1						X				
1:31		-	1			2						1				
7:51				F528-1'		3										
7:54				F529 -1'		4				-						
1:11				F530 - 1.5'		5				-						
11:13				1=531-1.5'		6			+	-	-		-			_
9:59				1-532 1		1			-	-			-	-		-
11:20				F533 - 1.5'		00			-	-			-	-		
0:04				F5 34 - 1'		1	-		-	-	-		+			
0:06				F535-1'		10					-					
simmon (field samp ampled by:	s@ensolum. ler), attest to the _Cole Burton	•.com e validity and	lauthenticity	of this sample. I am aware that tampering with or intentionally mi	slabeling the sam	ple location,	date o	r time of c	ollecti		conside	ered fra	ud anc	may be	grounds fo	or legal action.
Zel	d by: (Signature	M		17/24 Time Received by: (Signature)		17.24		730							l in ice at an	must be received on ice the day they are avg temp above 0 but less than 6 °C on
Mad	d by: (Signature d by: (Signature	march	Date G- Date	Time Received by: (Signature)	Date	7.24	Time	200			R	eceiv	ed or	ice:	Y/	Use Only N
Andrew	d by: (Signature	e)	Date	Time Received by (Signature)	Date	18.24	Time	500	-			1 .VG T	emp		<u>T2</u>	<u> </u>
and the second se	ix: S - Soil, Sd - So					ainer Typ					stic, a	g - an	iber g	lass, v		
				; are reported unless other arrangements are made. Hazardo laboratory with this COC. The liability of the laboratory is lim						ed of	at the	client	exper	se. The	report fo	r the analysis of the above samples i

Released to Imaging: 10/30/2024 3:59:26 PM

Chain of Custody

	Chain of C	usto	ody										Page 2 o
Client Information	Invoice Information	-			La	b Use	e On	ly		1	1	AT	State
Client: Matador Production Company	Company: Ensolum LLC		Lab	WO#				-	er		-	3D Sto	
Project:	Address: 3122 National Parks Hwy		EL	100	13	D	23	003	3.0	500		X	
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220)	_		121							L	
Address: 3122 National Parks Hwy	Phone: 575-988-0055		_			_	Ana	lysis	and	Meth	od		EPA Program
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com		_										SDWA CWA RCRA
Phone: 575-988-0055 Email: agiovengo@ensolum.com	Miscellaneous:												Compliance Y or N
Email: agiovengo@ensolum.com		-		8015	8015		1				5		Compliance Y or N PWSID #
- Sample In	formation			O by	0 by	8021	3260	300.	MN	5-TX	Veta		1 1010 11
Time Date Sampled Matrix No. of Containers		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		Remarks
11:299/16/24 5 1 FS36			11		0		-	-	X	F			
13:11 FS 43	-1		12						1				
13:10 = 544	~l'		13										
	- 6-1,5'		14)				
											_		
									_				
						_			_				
				-				_					
	and the second				_								
Additional Instructions: Please CC: cburton@ensolun bsimmons@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am Sampled by:Cole Burton	aware that tampering with or intentionally mislabeling the												
Relinquished by: (Signature) Date 9/17/24 7.		Date 9-1	724	Time	73t	>						d in ice at an av	ust be received on ice the day they are ig temp above 0 but less than 6 °C on
	45 Jacken Allo	Date Date	17.24	Time	700	_			Rece	eived	on ice:	Lab L	Jse Only I
Relinquished by: (Signature) Date Time	BYS Multiple Hell	9.1	8-24	1 A	500	2			T1			T2	T3
Relinquished by: (Signature) Date Time		Date		Time	~~~				AVG	Tem	o°c L	1	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other			ainer Typ					astic,	ag - a	amber	glass, v		
Note: Samples are discarded 14 days after results are reported unle applicable only to those samples received by the laboratory with thi							osed o	of at th	ne clie	nt exp	ense. The	e report for	the analysis of the above samples i

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC.	Date Received:	09/18/24	05:00	Work Order ID:	E409130
Phone:	(972) 371-5200 I	Date Logged In:	09/17/24	12:26	Logged In By:	Noe Soto
Email:		Due Date:	09/24/24	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	n the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requeste	ed 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		Yes		<u>Commen</u>	ts/Resolution
Sample	Turn Around Time (TAT)					
	e 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			
10. Were	e custody/security seals present?		No			
	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 r		Yes			
13. If no	visible ice, record the temperature. Actual sample te		с			
Sample	Container	_				
	aqueous VOC samples present?		No			
15. Are '	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			
19. Is the	appropriate volume/weight or number of sample container	rs collected?	Yes			
Field La	ıbel_					
20. Were	e field sample labels filled out with the minimum inform	nation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation s the COC or field labels indicate the samples were pres	served?	No			
	sample(s) correctly preserved?		NO			
	b filteration required and/or requested for dissolved met	tals?	NA			
			110			
	ase Sample Matrix	า	.			
	s the sample have more than one phase, i.e., multiphase a does the COC specify which $phase(a)$ is to be apply		No			
27. II ye	s, does the COC specify which phase(s) is to be analyze	eu?	NA			
	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No			

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: 12 Ir

12 Inch 4-Way Riser Row

Work Order: E409166

Job Number: 23003-0002

Received: 9/19/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/27/24

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: 9/27/24

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

Project Name: 12 Inch 4-Way Riser Row Workorder: E409166 Date Received: 9/19/2024 8:00:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/19/2024 8:00:00AM, under the Project Name: 12 Inch 4-Way Riser Row.

The analytical test results summarized in this report with the Project Name: 12 Inch 4-Way Riser 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

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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Sample Summary

		Sample Sum	mary		
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	12 Inch 4-Way Rise 23003-0002	er Row	Reported:
Dallas TX, 75240		Project Manager:	Ashley Giovengo		09/27/24 15:25
ient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
39 - 4'	E409166-01A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
40 - 4'	E409166-02A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
41 - 4'	E409166-03A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
42 - 4'	E409166-04A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
47 - 1'	E409166-05A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
48 - 1'	E409166-06A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
37 - 3'	E409166-07A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
49 - 1.5'	E409166-08A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
50 - 1.5'	E409166-09A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
51 - 2'	E409166-10A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
52 - 2'	E409166-11A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
45 - 2'	E409166-12A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
46 - 2'	E409166-13A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
38 - 4'	E409166-14A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
53 - 4'	E409166-15A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.



	~•	impic D				
Matador Resources, LLC.	Project Name:	12 Iı	nch 4-Way R	liser Row		
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Gioveng	0		9/27/2024 3:25:14PM
		FS 39 - 4'				
		E409166-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A		Batch: 2438117	
Benzene	ND	0.0250	1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/25/24	
Toluene	ND	0.0250	1	09/19/24	09/25/24	
p-Xylene	ND	0.0250	1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/25/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		105 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2438136
Chloride	3760	40.0	2	09/20/24	09/21/24	

Sample Data



Sample Data

		ample D	uu				
Matador Resources, LLC.	Project Name:		nch 4-Way				
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002				Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Giover	ıgo			9/27/2024 3:25:14PM
		FS 40 - 4'					
		E409166-02					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/25/24	
Toluene	ND	0.0250		1	09/19/24	09/25/24	
p-Xylene	ND	0.0250		1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/25/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		105 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		103 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		105 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		103 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		91.0 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2438136
Chloride	4290	40.0		2	09/20/24	09/21/24	



Sample Data

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/27/2024 3:25:14PM
				-8-			
		FS 41 - 4' E409166-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/25/24	
Toluene	ND	0.0250		1	09/19/24	09/25/24	
p-Xylene	ND	0.0250		1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/25/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		104 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		104 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		109 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2438136
Chloride	3430	40.0		2	09/20/24	09/21/24	



Sample Data

	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/27/2024 3:25:14PM
		FS 42 - 4'					
		E409166-04					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/25/24	
Toluene	ND	0.0250		1	09/19/24	09/25/24	
p-Xylene	ND	0.0250		1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/25/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		103 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		103 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		115 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2438136
Chloride	1270	20.0		1	09/20/24	09/21/24	



Sample Data

	0	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/27/2024 3:25:14PM
		FS 47 - 1'					
		E409166-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/25/24	
Toluene	ND	0.0250		1	09/19/24	09/25/24	
o-Xylene	ND	0.0250		1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/25/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		109 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2438136
Chloride	170	20.0		1	09/20/24	09/21/24	



Sample Data

	50	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Gioven		OW		Reported: 9/27/2024 3:25:14PM
		FS 48 - 1'					
		E409166-06					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/25/24	
thylbenzene	ND	0.0250		1	09/19/24	09/25/24	
oluene	ND	0.0250		1	09/19/24	09/25/24	
-Xylene	ND	0.0250		1	09/19/24	09/25/24	
,m-Xylene	ND	0.0500		1	09/19/24	09/25/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/25/24	
urrogate: Bromofluorobenzene		105 %	70-130		09/19/24	09/25/24	
urrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		09/19/24	09/25/24	
urrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		105 %	70-130		09/19/24	09/25/24	
'urrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		09/19/24	09/25/24	
urrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
urrogate: n-Nonane		106 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438136
Chloride	96.9	20.0		1	09/20/24	09/20/24	



Sample Data

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		nch 4-Way)3-0002	Riser R	ow		Reported:
Dallas TX, 75240	Project Manag		ley Giover	ngo			9/27/2024 3:25:14PM
		FS 37 - 3'					
]	E409166-07					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/25/24	
Toluene	ND	0.0250		1	09/19/24	09/25/24	
p-Xylene	ND	0.0250		1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/25/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		101 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		101 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		112 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2438136
Chloride	32.1	20.0		1	09/20/24	09/21/24	



		ample D	uu				
Matador Resources, LLC.	Project Name:		nch 4-Way	/ Riser R	.ow		
5400 LBJ Freeway, Suite 1500	Project Number		03-0002				Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giover	ngo			9/27/2024 3:25:14PM
	-	FS 49 - 1.5'					
		E409166-08					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/25/24	
Toluene	ND	0.0250		1	09/19/24	09/25/24	
-Xylene	ND	0.0250		1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/25/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		103 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		103 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		108 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2438136
Chloride	62.2	20.0		1	09/20/24	09/21/24	



		impic D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/27/2024 3:25:14PM
]	FS 50 - 1.5'					
	-	E409166-09					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/25/24	
Toluene	ND	0.0250		1	09/19/24	09/25/24	
p-Xylene	ND	0.0250		1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/25/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		103 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		106 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/25/24	
Surrogate: Bromofluorobenzene		103 %	70-130		09/19/24	09/25/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		09/19/24	09/25/24	
Surrogate: Toluene-d8		106 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		113 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2438136
Chloride	67.4	20.0		1	09/20/24	09/21/24	



Sample Data

	Ja	imple D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	nch 4-Way)3-0002 ley Gioven		ow		Reported: 9/27/2024 3:25:14PM
		FS 51 - 2'					
]	E409166-10					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
-Xylene	ND	0.0250		1	09/19/24	09/26/24	
,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
'urrogate: Bromofluorobenzene		107 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		106 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		107 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		09/19/24	09/26/24	
urrogate: Toluene-d8		106 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
urrogate: n-Nonane		113 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438136
Chloride	99.0	20.0		1	09/20/24	09/21/24	



Sample Data

	D	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/27/2024 3:25:14PM
		FS 52 - 2'					
		E409166-11					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
o-Xylene	ND	0.0250		1	09/19/24	09/26/24	
,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		09/19/24	09/26/24	
urrogate: Toluene-d8		106 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		106 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
urrogate: n-Nonane		110 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2438136
Chloride	76.4	20.0		1	09/20/24	09/21/24	



Sample Data

	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 2300	nch 4-Way 03-0002 ley Gioven		ow		Reported: 9/27/2024 3:25:14PM
		FS 45 - 2'					
		E409166-12					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
oluene	ND	0.0250		1	09/19/24	09/26/24	
o-Xylene	ND	0.0250		1	09/19/24	09/26/24	
,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/19/24	09/26/24	
urrogate: Toluene-d8		105 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
urrogate: n-Nonane		104 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438136
Chloride	388	20.0		1	09/20/24	09/21/24	



Sample Data

	0	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way 03-0002 ey Gioven		ЭW		Reported: 9/27/2024 3:25:14PM
		FS 46 - 2'					
		E409166-13					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
p-Xylene	ND	0.0250		1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/19/24	09/26/24	
urrogate: Toluene-d8		104 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		104 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		103 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438136
Chloride	251	20.0		1	09/20/24	09/21/24	



	D.	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numb		nch 4-Way)3-0002	Riser R	low		Reported:
Dallas TX, 75240	<u> </u>						9/27/2024 3:25:14PM
	5 6		5	0			
		FS 38 - 4'					
		E409166-14					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
p-Xylene	ND	0.0250		1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		104 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		104 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		86.9 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2438136
Chloride	1940	20.0		1	09/20/24	09/21/24	



Sample Data

	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 9/27/2024 3:25:14PM
		FS 53 - 4'					
		E409166-15					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
oluene	ND	0.0250		1	09/19/24	09/26/24	
-Xylene	ND	0.0250		1	09/19/24	09/26/24	
,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		09/19/24	09/26/24	
urrogate: Toluene-d8		105 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438117
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		105 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2438128
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
urrogate: n-Nonane		99.5 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2438136
Chloride	2680	40.0		2	09/20/24	09/21/24	



QC Summary Data

Matador Resources, LLC.		Project Name:	12	Inch 4-Way I	Riser Row				n (1
5400 LBJ Freeway, Suite 1500		Project Number:		003-0002	LISCI ILUW				Reported:
•		·							0/27/2024 2.25.140
Dallas TX, 75240		Project Manager:	As	shley Gioveng	0				9/27/2024 3:25:14PM
	V	olatile Organic	Compo	unds by EF	PA 8260B				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 (2438117-BLK1)						I	Prepared: 09	9/19/24 A	nalyzed: 09/25/24
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	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			
LCS (2438117-BS1)						I	Prepared: 09	9/19/24 A	nalyzed: 09/25/24
Benzene	2.33	0.0250	2.50		93.1	70-130			
Ethylbenzene	2.32	0.0250	2.50		92.9	70-130			
Toluene	2.32	0.0250	2.50		92.7	70-130			
o-Xylene	2.29	0.0250	2.50		91.7	70-130			
p,m-Xylene	4.57	0.0500	5.00		91.4	70-130			
Total Xylenes	6.86	0.0250	7.50		91.5	70-130			
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			
LCS Dup (2438117-BSD1)						I	Prepared: 09	9/19/24 A	nalyzed: 09/25/24
Benzene	2.35	0.0250	2.50		94.0	70-130	0.919	23	
Ethylbenzene	2.34	0.0250	2.50		93.5	70-130	0.579	27	
Toluene	2.33	0.0250	2.50		93.0	70-130	0.323	24	
o-Xylene	2.37	0.0250	2.50		95.0	70-130	3.49	27	
p,m-Xylene	4.71	0.0500	5.00		94.2	70-130	2.99	27	
Total Xylenes	7.08	0.0250	7.50		94.4	70-130	3.16	27	
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
	0.515		0.500		103	70-130			



QC Summary Data

		QU D	u 111111	ary Date					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	12 Inch 4-Way l 23003-0002 Ashley Gioveng					Reported: 9/27/2024 3:25:14PM
			Analyst: IY						
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2438117-BLK1)							Prepared: 0	9/19/24 A	nalyzed: 09/25/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			
LCS (2438117-BS2)							Prepared: 0	9/19/24 A	nalyzed: 09/25/24
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.3	70-130			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
LCS Dup (2438117-BSD2)							Prepared: 0	9/19/24 A	nalyzed: 09/25/24
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.7	70-130	0.475	20	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			



QC Summary Data

		$\mathbf{x} \circ \sim$							
Matador Resources, LLC.		Project Name:	12	Inch 4-Way	Riser Row				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	3003-0002					-
Dallas TX, 75240		Project Manager:	: A:	shley Gioveng	go				9/27/2024 3:25:14PM
	Nonh	alogenated Org	ganics by	EPA 8015I) - 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 (2438128-BLK1)							Prepared: 0	9/19/24 A	analyzed: 09/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.5		50.0		105	50-200			
LCS (2438128-BS1)							Prepared: 0	9/19/24 A	analyzed: 09/24/24
Diesel Range Organics (C10-C28)	218	25.0	250		87.2	38-132			
Surrogate: n-Nonane	52.7		50.0		105	50-200			
LCS Dup (2438128-BSD1)							Prepared: 0	9/19/24 A	analyzed: 09/24/24
Diesel Range Organics (C10-C28)	217	25.0	250		86.7	38-132	0.528	20	
Surrogate: n-Nonane	52.2		50.0		104	50-200			

QC Summary Data

			•	J –						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	-	12 Inch 4-Way I 23003-0002 Ashley Gioveng					Reported: 9/27/2024 3:25:14	PM
		Anions	by EPA	300.0/9056A	1				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 (2438136-BLK1)							Prepared: 0	9/20/24	Analyzed: 09/20/24	
Chloride	ND	20.0								
LCS (2438136-BS1)							Prepared: 0	9/20/24	Analyzed: 09/20/24	
Chloride	253	20.0	250		101	90-110				
Matrix Spike (2438136-MS1)				Source:	E409166-0	06	Prepared: 0	9/20/24	Analyzed: 09/20/24	
Chloride	352	20.0	250	96.9	102	80-120				
Matrix Spike Dup (2438136-MSD1)				Source:	E409166-0	06	Prepared: 0	9/20/24	Analyzed: 09/20/24	
Chloride	359	20.0	250	96.9	105	80-120	1.94	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:	12 Inch 4-Way Riser Row	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/27/24 15:25

ND Analyte NOT DETECTED at or above the reporting lin	mit
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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.



Released to Imaging: 10/30/2024 3:59:26 PM

Client Information	Invoice Information				La	ab Use	On	ly			TA	AT .	State
lient: Matador Production Company	Company: Ensolum LLC		Lab	WO#	ŧ		lob N	Numb	er	1	D 2D	3D Std	NM CO UT TX
roject: 12" 4-way Riser Row	Address: 3122 National Parks Hwy		_ <u>E</u>	400	111	ala	23	2003	.000	2		/	
roject Manager: Ashley Giovengo ddress: 3122 National Parks Hwy	<u>City, State, Zip: Carlsbad NM, 8822</u> Phone: 575-988-0055	20	- 6	-			Ana	hucic	and M	otho	d		EPA Program
ity, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com	1	-	-				19313					SDWA CWA RCRA
hone: 575-988-0055	Miscellaneous:		-										
mail: agiovengo@ensolum.com		-		8015	015								Compliance Y or N
Samile I	nformation			þ.	by 8	8021	260	300.0	WN A	letals			PWSID #
Time Date Sampled Matrix No. of Containers	Sample ID	Field	Lab Number	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	RCRA 8 Metals			Remarks
40 9/17/24 5 1 FS3	9 - 4'		1						X				
142 1 1 1 5 4	0-4'		2						1				
944 FS 4	1-4'		3										
336 = 54:	2 -1		4	1									
002 F-54	7-1'		5										
002 FS 48	-1'		6										
131 / FS 37	-1'		7										
	-1.5'		8						-	-			
237 1 F-450			4	-									
344 ESSI			10						1				
Additional Instructions: Please CC: cburton@ensolu <u>psimmons@ensolum.com</u> (field sampler), attest to the validity and authenticity of this sample. Tai ampled by:Cole Burton													
elinquished by: (Signature) Date Time	7:30 Received by: (Signature) Vichelle Gongales	Date 91	824	Time	73	D							ist be received on ice the day they are $_{\rm c}$ temp above 0 but less than 6 $^{\circ}{\rm C}$ on
elinquished by (Signature) Date Time	100 Received by: (Signature)	Date	8.24	Time	72	20			Receiv	ed or	n ice:	Lab U	se Only
elinguished by: (Signature) Date Time 9.18.24	330 Received by: (Signature) Man	Pate .	19.74	Time	S: a	5		~	T1 ~			T2	ТЗ
elinquished by: (Signature) Date Time		Date	101	Time					AVG T	emp '	~ 4	12	
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other			ainer Typ					astic,	ag - am	ber g	lass, v -		
lote: Samples are discarded 14 days after results are reported un pplicable only to those samples received by the laboratory with t							sed o	of at th	e client	expen	se. The r	eport for t	he analysis of the above samples

Chain of Custody

	Chain of Cu	ustody									Page of _		
Client Information	Invoice Information		-	La	ab Us	e On	v		T	TAT	State		
Client: Matador Production Company	Company: Ensolum LLC	pany: Ensolum LLC I ab WO# Job Numb						er	_ 1	1D 2D 3D Std	NM CO UT TX		
Project: 12" 4-may Riser Row	Address: 3122 National Parks Hwy		E40	911	ole	73	03	·00	2	/			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		_	-	1	7.							
Address: 3122 National Parks Hwy	Phone: 575-988-0055		-	-		Ana	lysis	and N	/letho	od	EPA Program SDWA CWA RCRA		
City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055	Email: agiovengo@ensolum.com										SDWA CWA RCRA		
Email: agiovengo@ensolum.com	Miscellaneous:		L.	5							Compliance Y or N		
			V 801	y 8015	-		0.0	-	×	als	PWSID #		
Sample Ir	formation		ROb	RO b	y 802	826	e 30(NN-	1- 500	Met			
Time Sampled Date Sampled Matrix No. of Containers	Sample ID CB	Lal	0	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks		
14249/17/24 S 1 ES5	2 - 2	1						X					
1438 F54.	5 - 2'	12							_				
1435 F5 40	5-2	13	3										
1329 FS 38	- 4'	10											
1464 1 1 PS 53	5-9'	15)					1					
		_											
		-									1		
Additional Instructions: Please CC: cburton@ensolu <u>bsimmons@ensolum.com</u> I, (field sampler), attest to the validity and authenticity of this sample. I an Sampled by:Cole Burton	n aware that tampering with or intentionally mislabeling the	sample loca	tion, date	or time	of colle		s consid	dered fi	aud an	nd may be grounds for le	egal action.		
Due pour IIIIII.		9-182	4 t	573	0					ived packed in ice at an avg	ist be received on ice the day they are temp above 0 but less than 6 °C on		
Relinquished by: (Signature) Date Time	100 J. M. 1	9.18.2	4 1	330	0			Recei	ved c	Lab Use Only I on ice: (Y) N			
Relinquished by: (Signature) Date Time		7.19.2	14 2	t:0	D			<u>T1</u>		<u>T2</u>	<u>T3</u>		
Kelinquished by: (Signature) Date Time		Date	Tim					AVG					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 14 days after results are reported unl										glass, v /VOA	he analysis of the above samples is		
applicable only to those samples received by the laboratory with the						useu t	atti	ie chen	cerbe	inse. The report for th	ne analysis of the above samples is		

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC.	Date Received:	09/19/24	08:00	Work Order ID:	E409166
Phone:	(972) 371-5200 I	Date Logged In:	09/18/24	15:03	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	09/25/24	17:00 (4 day TAT)		
Chain d	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	h the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was	the COC complete, i.e., signatures, dates/times, requested	ed analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes		Commen	ts/Resolution
Sample	e Turn Around Time (TAT)	•				
	he COC indicate standard TAT, or Expedited TAT?		Yes			
	<u>e Cooler</u>		100			
	a sample cooler received?		Yes			
	s, was cooler received in good condition?		Yes			
9. Was	the sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
	es, were custody/security seals intact?		NA			
	the sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are r minutes of sampling	received w/i 15	Yes			
13. If n	o visible ice, record the temperature. Actual sample to	emperature: <u>4°</u>	<u>C</u>			
	<u>Container</u>					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
	s a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?	11 / 10	Yes			
	e appropriate volume/weight or number of sample containe	rs collected?	Yes			
Field L		mation				
	e field sample labels filled out with the minimum inform Sample ID?	nation:	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
-	Preservation					
	s the COC or field labels indicate the samples were pre-	served?	No			
	sample(s) correctly preserved?		NA			
24. Is la	b filteration required and/or requested for dissolved me	tals?	No			
	hase Sample Matrix					
	es the sample have more than one phase, i.e., multiphase		No			
27. If y	es, does the COC specify which phase(s) is to be analyz	ed?	NA			
Subcon	tract Laboratory					
28. Are	samples required to get sent to a subcontract laboratory	?	No			
20 Was	s a subcontract laboratory specified by the client and if s	o who?	NA	Subcontract Lab: NA		

<u>Client Instruction</u>

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



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Page _____ of ____

Received by OCD: 10/11/2024 3:17:47 PM

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Chain of Custody

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	Client: N Project:	Aatador Pro	WHY F	Compa	Ro	w	-	Company: Ensolum LLC Address: 3122 National Parks H	łwy	-	E H	09	110				0007		20 3	U Sta	
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		3122 Nati		and the second second second second		Jania Sel		Phone: 575-988-0055						-	Analy	sis a	nd Me	thod		_	EPA Program
01.50		e, Zip: Car		1,8822	0		-	Email: agiovengo@ensolum.c	om												SDWA CWA RCRA
102		575-988-00 giovengo@		.com	-			Miscellaneous:				5	2								Compliance Y or N
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	Time Sampled	Date Sample	d Matri		a. of tainers			Sample ID	Field	Lai Num	ber	DRO/ORO	GRO/DRO by	BTEX by 802	VOC by \$260	Chloride 300	TCEQ 1005 - TX	RCRA 8			Actions
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	1344			1		FSS	1 -	2'		10											
	Addition	nal Instruct	ions: P	lease C	C: cbu	rton@ens	olum.c	om, agiovengo@ensolum.com, ie	strella@	ensolu	um.co	om, l	odeal	@en	solur	n.con	n, chai	miltor	n@enso	olum.co	om,
	I, (field sam		the validity	and auth	enticity o	of this sample.	I am awa	re that tampering with or intentionally mislab	eling the sa	mple loca	ation, d	ate or	time o	fcoile	ction is	conside	red frau	id and m	nay be grou	unds for le	egal action.
	Relinquist	ed by: (Signa			Date	18/14	1me 7 : 3	30 Received by: (Signature)	ec Dat	-172		Time	730								ust be received on ice the day they are g temp above 0 but less than 6 °C on
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	applicable	e only to those	e samples	received	by the I	aboratory wi	th this C	OC. The liability of the laboratory is limite	d to the ar	nount pa	aid for	on th	e repo	ort.		39	A gui	-	and the second	in the second	
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Chain of Custody

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Sample Ma	trix: S - Soil, Sd - S	Salid, Sg - Slu	idge, A - Aqu	eous, O - Othe	r			P. Hazardous sam	Con	itainer Ty	pe: g	glass	, p - p	oly/p	astic	, ag -	ambe	r glass	The root	DA A	the an	alysis of the	above sam	ples is
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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: 12 Inc

12 Inch 4-Way Riser Row

Work Order: E409191

Job Number: 23003-0002

Received: 9/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/1/24

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: 10/1/24

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

Project Name: 12 Inch 4-Way Riser Row Workorder: E409191 Date Received: 9/23/2024 8:00:00AM

Ashley Giovengo,



Page 220 of 370

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2024 8:00:00AM, under the Project Name: 12 Inch 4-Way Riser Row.

The analytical test results summarized in this report with the Project Name: 12 Inch 4-Way Riser 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

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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Sample Summary

		Sample Sum	illai y		
Matador Resources, LLC.		Project Name:	12 Inch 4-Way Rise	r Row	Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		-
Dallas TX, 75240		Project Manager:	Ashley Giovengo		10/01/24 14:04
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS61 - 4'	E409191-01A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS65 - 1'	E409191-02A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS66 - 1'	E409191-03A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS67 - 1'	E409191-04A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS72 - 4'	E409191-05A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS75 - 4'	E409191-06A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS76 - 4'	E409191-07A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS78 - 1'	E409191-08A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS88 - 4'	E409191-09A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS89 - 4'	E409191-10A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
SW13 - 0 - 4'	E409191-11A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
SW14 - 0 - 4'	E409191-12A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
SW16 - 0 - 4'	E409191-13A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS90 - 1'	E409191-14A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS92 - 1.5'	E409191-15A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS96 - 1.5	E409191-16A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS64 - 1	E409191-17A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS69 - 2.5'	E409191-18A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS70 - 2.5'	E409191-19A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
SW15 - 0 - 4	E409191-20A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS25 - 4'	E409191-21A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS56 - 4'	E409191-22A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.
FS57 - 4'	E409191-23A	Soil	09/19/24	09/23/24	Glass Jar, 2 oz.



	S	Sample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana	ber: 2300	nch 4-Way 03-0002 ley Gioven		ow		Reported: 10/1/2024 2:04:42PM
		FS61 - 4'					
		E409191-01					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
o-Xylene	ND	0.0250		1	09/23/24	09/28/24	
p,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.5 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.5 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2438165
Diesel Range Organics (C10-C28)	65.7	25.0		1	09/21/24	09/30/24	
Oil Range Organics (C28-C36)	55.0	50.0		1	09/21/24	09/30/24	
Surrogate: n-Nonane		113 %	50-200		09/21/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439021
Chloride	518	20.0		1	09/23/24	09/24/24	



Sample Data

	56	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
		FS65 - 1'					
		E409191-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
o-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Fotal Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2438165
Diesel Range Organics (C10-C28)	53.4	25.0		1	09/21/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	09/30/24	
Surrogate: n-Nonane		109 %	50-200		09/21/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439021
Chloride	69.2	20.0		1	09/23/24	09/24/24	



Sample Data

	56	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	er: 2300	nch 4-Way 03-0002			Reported:	
Dallas TX, 75240	Project Manag	er: Ash	ley Giover	10/1/2024 2:04:42PM			
		FS66 - 1'					
		E409191-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Foluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Fotal Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	09/30/24	
Surrogate: n-Nonane		111 %	50-200		09/21/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2439021
Chloride	96.1	20.0		1	09/23/24	09/24/24	



Sample Data

		imple D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	·	Project Name:12 Inch 4-Way Riser RowProject Number:23003-0002Project Manager:Ashley Giovengo					Reported: 10/1/2024 2:04:42PM
		FS67 - 1'					
]	E409191-04					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
o-Xylene	ND	0.0250		1	09/23/24	09/28/24	
p,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	09/30/24	
Surrogate: n-Nonane		118 %	50-200		09/21/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439021
Chloride	109	20.0		1	09/23/24	09/24/24	



Sample Data

	St	imple D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	nch 4-Way)3-0002 ley Giover			Reported: 10/1/2024 2:04:42PM	
		FS72 - 4'					
	-	E409191-05					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.4 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.4 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2438165
Diesel Range Organics (C10-C28)	358	25.0		1	09/21/24	09/30/24	
Dil Range Organics (C28-C36)	195	50.0		1	09/21/24	09/30/24	
Surrogate: n-Nonane		112 %	50-200		09/21/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2439021
Chloride	892	20.0		1	09/23/24	09/24/24	



Sample Data

	56	ample D	ara				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:12 Inch 4-Way Riser RowProject Number:23003-0002Project Manager:Ashley Giovengo					Reported: 10/1/2024 2:04:42PM	
,	, ,		,	0			
		FS75 - 4' E409191-06					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
p,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2438165
Diesel Range Organics (C10-C28)	70.4	25.0		1	09/21/24	09/30/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/21/24	09/30/24	
Surrogate: n-Nonane		111 %	50-200		09/21/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2439021
Chloride	535	20.0		1	09/23/24	09/24/24	



Sample Data

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	nch 4-Way)3-0002 ley Giover	Reported: 10/1/2024 2:04:42PM			
	Tojeet Manag				10/1/2024 2.04.42FW		
		FS76 - 4'					
]	E409191-07					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Fotal Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.6 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.6 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2438165
Diesel Range Organics (C10-C28)	259	25.0		1	09/21/24	09/30/24	
Dil Range Organics (C28-C36)	139	50.0		1	09/21/24	09/30/24	
Surrogate: n-Nonane		110 %	50-200		09/21/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439021
Chloride	1490	20.0		1	09/23/24	09/24/24	



Sample Data

	50	imple D	aca				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 2300	nch 4-Way)3-0002 ey Giover		ow		Reported: 10/1/2024 2:04:42PM
Danas 1A, 75240	Floject Manag	a. Asii	ey Glover	igo			10/1/2024 2.04.42110
		FS78 - 1'					
]	E409191-08					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		95.3 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		95.3 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	09/30/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/21/24	09/30/24	
Surrogate: n-Nonane		106 %	50-200		09/21/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439021
Chloride	60.8	20.0		1	09/23/24	09/24/24	



Sample Data

		ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		nch 4-Way)3-0002	v Riser R	ow		Reported:
Dallas TX, 75240	Project Manag		ley Giover	ngo			10/1/2024 2:04:42PM
		FS88 - 4'					
		E409191-09					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		124 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439021
Chloride	ND	20.0		1	09/23/24	09/24/24	



Sample Data

	56	ampie D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
		FS89 - 4'					
		E409191-10					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
p,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		96.5 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		96.5 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2438165
Diesel Range Organics (C10-C28)	37.6	25.0		1	09/21/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		123 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439021
Chloride	419	20.0		1	09/23/24	09/24/24	



		ample D	ara				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
	S	W13 - 0 - 4'					
		E409191-11					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Fotal Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		93.3 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		93.3 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		114 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439021
Chloride	110	20.0		1	09/23/24	09/24/24	



Sample Data

	50	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
	S	W14 - 0 - 4'					
		E409191-12					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Foluene	ND	0.0250		1	09/23/24	09/28/24	
o-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		100 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		100 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		125 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2439021
Chloride	50.5	20.0		1	09/23/24	09/24/24	



		ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
	S	W16 - 0 - 4'					
		E409191-13					
		Reporting					
Analyte	Result	Limit	Dı	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
o-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Fotal Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.5 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.5 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		117 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439021
Chloride	32.3	20.0		1	09/23/24	09/24/24	



Sample Data

	56	ampie D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 230	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
		FS90 - 1'					
	-	E409191-14					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.0 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.0 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		121 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439021
Chloride	ND	20.0		1	09/23/24	09/24/24	



Sample Data

		ample D	utu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
		FS92 - 1.5'					
		E409191-15					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
)-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		99.3 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		99.3 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		118 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439021
Chloride	ND	20.0		1	09/23/24	09/24/24	



Sample Data

		ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
		FS96 - 1.5					
		E409191-16					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.0 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.0 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		121 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439021
Chloride	40.3	20.0		1	09/23/24	09/24/24	



Sample Data

	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
		FS64 - 1					
		E409191-17					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Foluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.7 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.7 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		119 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439021
Chloride	ND	20.0		1	09/23/24	09/24/24	



Sample Data

	56	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
	-	FS69 - 2.5'					
		E409191-18					
	D l	Reporting	D.'	:			
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Fotal Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.3 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		94.3 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		117 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439021
Chloride	ND	20.0		1	09/23/24	09/24/24	



Sample Data

	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		low		Reported: 10/1/2024 2:04:42PM
		FS70 - 2.5'					
		E409191-19					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		92.4 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		92.4 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2438165
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24	
Surrogate: n-Nonane		109 %	50-200		09/21/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2439021
Chloride	25.4	20.0		1	09/23/24	09/24/24	



Sample Data

		imple D	ata					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	er: 230	nch 4-Way)3-0002		low		Reported:	
Dallas TX, 75240	Project Manag	er: Ash	ley Giover	10/1/2024 2:04:42PM				
	S	W15 - 0 - 4						
	-	E409191-20						
		Reporting						
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007	
Benzene	ND	0.0250		1	09/23/24	09/28/24		
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24		
Toluene	ND	0.0250		1	09/23/24	09/28/24		
p-Xylene	ND	0.0250		1	09/23/24	09/28/24		
p,m-Xylene	ND	0.0500		1	09/23/24	09/28/24		
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24		
Surrogate: Bromofluorobenzene		92.6 %	70-130		09/23/24	09/28/24		
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		09/23/24	09/28/24		
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439007	
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24		
Surrogate: Bromofluorobenzene		92.6 %	70-130		09/23/24	09/28/24		
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		09/23/24	09/28/24		
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2438165	
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	10/01/24		
Oil Range Organics (C28-C36)	ND	50.0		1	09/21/24	10/01/24		
Surrogate: n-Nonane		115 %	50-200		09/21/24	10/01/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2439021	
Chloride	40.7	20.0		1	09/23/24	09/24/24		



Sample Data

	D	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		Reported: 10/1/2024 2:04:42PM		
		FS25 - 4'					
		E409191-21					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2439005
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
p,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		95.9 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2439005
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		95.9 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2438170
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	09/27/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	09/27/24	
Surrogate: n-Nonane		92.9 %	50-200		09/21/24	09/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2439020
Chloride	329	20.0		1	09/23/24	09/24/24	



Sample Data

	56	ample D	uu										
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM						
		FS56 - 4'											
	E409191-22												
		Reporting											
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes						
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg Analyst: IY		: IY		Batch: 2439005							
Benzene	ND	0.0250		1	09/23/24	09/28/24							
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24							
Toluene	ND	0.0250		1	09/23/24	09/28/24							
p-Xylene	ND	0.0250		1	09/23/24	09/28/24							
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24							
Total Xylenes	ND	0.0250		1	09/23/24	09/28/24							
Surrogate: Bromofluorobenzene		98.8 %	70-130		09/23/24	09/28/24							
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/23/24	09/28/24							
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24							
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2439005						
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24							
Surrogate: Bromofluorobenzene		98.8 %	70-130		09/23/24	09/28/24							
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/23/24	09/28/24							
Surrogate: Toluene-d8		102 %	70-130		09/23/24	09/28/24							
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438170						
Diesel Range Organics (C10-C28)	56.9	25.0		1	09/21/24	09/27/24							
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	09/27/24							
Surrogate: n-Nonane		95.7 %	50-200		09/21/24	09/27/24							
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2439020						
Chloride	334	20.0		1	09/23/24	09/24/24							



Sample Data

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	nch 4-Way)3-0002 ley Giover		ow		Reported: 10/1/2024 2:04:42PM
		FS57 - 4'					
]	E409191-23					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2439005
Benzene	ND	0.0250		1	09/23/24	09/28/24	
Ethylbenzene	ND	0.0250		1	09/23/24	09/28/24	
Toluene	ND	0.0250		1	09/23/24	09/28/24	
p-Xylene	ND	0.0250		1	09/23/24	09/28/24	
o,m-Xylene	ND	0.0500		1	09/23/24	09/28/24	
Fotal Xylenes	ND	0.0250		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		95.9 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2439005
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/23/24	09/28/24	
Surrogate: Bromofluorobenzene		95.9 %	70-130		09/23/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/23/24	09/28/24	
Surrogate: Toluene-d8		101 %	70-130		09/23/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2438170
Diesel Range Organics (C10-C28)	ND	25.0		1	09/21/24	09/27/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/21/24	09/27/24	
Surrogate: n-Nonane		95.0 %	50-200		09/21/24	09/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: JM		Batch: 2439020
Chloride	700	20.0		1	09/23/24	09/24/24	



QC Summary Data

Matador Resources, LLC.		Project Name:	12	Inch 4-Way I	Riser Row				Demente de
5400 LBJ Freeway, Suite 1500		Project Number:		003-0002					Reported:
Dallas TX, 75240		Project Manager:		shley Gioveng	0				10/1/2024 2:04:42PM
Dallas IX, 75240		Tiojeet Manager.	A	silley Oloveng	,0				10/1/2024 2:04:42110
	Volatile Organic Compounds by EPA 8260B								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 (2439005-BLK1)						I	Prepared: 09	9/23/24 Ai	nalyzed: 09/28/24
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	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.526		0.500		105	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
LCS (2439005-BS1)						Ι	Prepared: 09	9/23/24 A	nalyzed: 09/28/24
Benzene	2.29	0.0250	2.50		91.8	70-130			
Ethylbenzene	2.31	0.0250	2.50		92.5	70-130			
Toluene	2.27	0.0250	2.50		90.9	70-130			
p-Xylene	2.31	0.0250	2.50		92.3	70-130			
p,m-Xylene	4.60	0.0500	5.00		92.0	70-130			
Total Xylenes	6.91	0.0250	7.50		92.1	70-130			
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			
LCS Dup (2439005-BSD1)						I	Prepared: 09	9/23/24 At	nalyzed: 09/28/24
Benzene	2.34	0.0250	2.50		93.4	70-130	1.75	23	
Ethylbenzene	2.40	0.0250	2.50		95.8	70-130	3.53	27	
Toluene	2.37	0.0250	2.50		94.8	70-130	4.20	24	
o-Xylene	2.39	0.0250	2.50		95.7	70-130	3.60	27	
p,m-Xylene	4.76	0.0500	5.00		95.2	70-130	3.50	27	
Total Xylenes	7.16	0.0250	7.50		95.4	70-130	3.53	27	
Surrogate: Bromofluorobenzene	0.471		0.500		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			



QC Summary Data

Matador Resources, LLC.		Project Name:		Inch 4-Way H	Riser Row				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	003-0002					-
Dallas TX, 75240		Project Manager:	As	shley Gioveng	0				10/1/2024 2:04:42PM
	V	olatile Organic	Compo	unds by EP	A 8260B				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 (2439007-BLK1)						I	Prepared: 09	9/23/24 A	nalyzed: 09/28/24
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	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
LCS (2439007-BS1)						Ι	Prepared: 0	9/23/24 A	nalyzed: 09/28/24
Benzene	2.27	0.0250	2.50		90.9	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.2	70-130			
Toluene	2.28	0.0250	2.50		91.3	70-130			
p-Xylene	2.16	0.0250	2.50		86.5	70-130			
p,m-Xylene	4.30	0.0500	5.00		85.9	70-130			
Total Xylenes	6.46	0.0250	7.50		86.1	70-130			
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			
LCS Dup (2439007-BSD1)						I	Prepared: 09	9/23/24 A	nalyzed: 09/28/24
Benzene	2.13	0.0250	2.50		85.0	70-130	6.64	23	
Ethylbenzene	2.20	0.0250	2.50		87.8	70-130	3.80	27	
Toluene	2.19	0.0250	2.50		87.8	70-130	3.95	24	
o-Xylene	2.14	0.0250	2.50		85.5	70-130	1.16	27	
p,m-Xylene	4.26	0.0500	5.00		85.2	70-130	0.841	27	
Total Xylenes	6.40	0.0250	7.50		85.3	70-130	0.949	27	
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
			0.500		101	70-130			



QC Summary Data

		QU D	umm	ary Date							
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	2 Inch 4-Way 1 23003-0002 Ashley Gioveng					Reported: 10/1/2024 2:04:42PM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
	6 6	6 6	6 6	6.6	,,,						
Blank (2439005-BLK1)							Prepared: 0	9/23/24 A	nalyzed: 09/28/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.526		0.500		105	70-130					
Surrogate: Toluene-d8	0.509		0.500		102	70-130					
LCS (2439005-BS2)							Prepared: 0	9/23/24 A	nalyzed: 09/28/24		
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.5	70-130					
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500		103	70-130					
Surrogate: Toluene-d8	0.508		0.500		102	70-130					
LCS Dup (2439005-BSD2)							Prepared: 0	9/23/24 A	nalyzed: 09/28/24		
Gasoline Range Organics (C6-C10)	40.8	20.0	50.0		81.7	70-130	6.92	20			
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.524		0.500		105	70-130					
Surrogate: Toluene-d8	0.510		0.500		102	70-130					



QC Summary Data

		QC D	umm		и						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		12 Inch 4-Way I 23003-0002 Ashley Gioveng					Reported: 10/1/2024 2:04:42PM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2439007-BLK1)							Prepared: 0	9/23/24 A	nalyzed: 09/28/24		
Gasoline Range Organics (C6-C10)	ND	20.0							-		
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130					
Surrogate: Toluene-d8	0.514		0.500		103	70-130					
LCS (2439007-BS2)							Prepared: 0	9/23/24 A	nalyzed: 09/28/24		
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.6	70-130					
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130					
Surrogate: Toluene-d8	0.516		0.500		103	70-130					
LCS Dup (2439007-BSD2)							Prepared: 0	9/23/24 A	nalyzed: 09/28/24		
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.6	70-130	0.0549	20			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130					
Surrogate: Toluene-d8	0.514		0.500		103	70-130					



QC Summary Data

		$\mathbf{x} \circ \sim$							
Matador Resources, LLC.		Project Name:	12	Inch 4-Way l	Riser Row				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	003-0002					•
Dallas TX, 75240		Project Manager:	As	shley Gioveng	<u>go</u>				10/1/2024 2:04:42PM
	Nonh	alogenated Org	anics by	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 (2438165-BLK1)							Prepared: 0	9/21/24 A	Analyzed: 09/30/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	56.3		50.0		113	50-200			
LCS (2438165-BS1)							Prepared: 0	9/21/24 A	Analyzed: 09/30/24
Diesel Range Organics (C10-C28)	281	25.0	250		113	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			
LCS Dup (2438165-BSD1)							Prepared: 0	9/21/24 A	Analyzed: 09/30/24
Diesel Range Organics (C10-C28)	274	25.0	250		110	38-132	2.63	20	
Surrogate: n-Nonane	56.5		50.0		113	50-200			

QC Summary Data

Matador Resources, LLC.		Project Name:	12	Inch 4-Way	Riser Row				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23	3003-0002					
Dallas TX, 75240		Project Manager	: A	shley Gioveng	go				10/1/2024 2:04:42PM
	Nonh	alogenated Org	ganics by	EPA 8015I) - 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 (2438170-BLK1)							Prepared: 0	9/21/24 A	Analyzed: 09/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.5		50.0		85.1	50-200			
LCS (2438170-BS1)							Prepared: 0	9/21/24 A	Analyzed: 09/26/24
Diesel Range Organics (C10-C28)	229	25.0	250		91.5	38-132			
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			
LCS Dup (2438170-BSD1)							Prepared: 0	9/21/24 A	Analyzed: 09/26/24
Diesel Range Organics (C10-C28)	241	25.0	250		96.3	38-132	5.08	20	
Surrogate: n-Nonane	46.6		50.0		93.1	50-200			
QC Summary Data

			•	<i>J</i> – …					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		12 Inch 4-Way l 23003-0002 Ashley Gioveng					Reported: 10/1/2024 2:04:42P
		Anions	by EPA	300.0/9056A	\				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 (2439020-BLK1)							Prepared: 0	9/23/24 <i>I</i>	Analyzed: 09/24/24
Chloride	ND	20.0							
LCS (2439020-BS1)							Prepared: 0	9/23/24 A	Analyzed: 09/25/24
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2439020-MS1)				Source:	E409190-3	30	Prepared: 0	9/23/24 A	Analyzed: 09/24/24
Chloride	1770	20.0	250	1510	105	80-120			
Matrix Spike Dup (2439020-MSD1)				Source:	E409190-3	30	Prepared: 0	9/23/24 A	Analyzed: 09/24/24
Chloride	1710	20.0	250	1510	81.3	80-120	3.34	20	



QC Summary Data

			•	<i>J</i> – …					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager		12 Inch 4-Way 23003-0002 Ashley Gioveng					Reported: 10/1/2024 2:04:42P
		Anions	by EPA	300.0/9056	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 (2439021-BLK1)							Prepared: 0	9/23/24 <i>I</i>	Analyzed: 09/24/24
Chloride	ND	20.0							
LCS (2439021-BS1)							Prepared: 0	9/23/24 A	Analyzed: 09/24/24
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2439021-MS1)				Source:	E409191-0	08	Prepared: 0	9/23/24 A	Analyzed: 09/24/24
Chloride	319	20.0	250	60.8	103	80-120			
Matrix Spike Dup (2439021-MSD1)				Source:	E409191-(08	Prepared: 0	9/23/24 A	Analyzed: 09/24/24
Chloride	313	20.0	250	60.8	101	80-120	1.88	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:	12 Inch 4-Way Riser Row	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/01/24 14:04

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



Released to Imaging: 10/30/2024 3:59:26 PM

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							Chain of	Cust	tody											Page <u> </u> of
	~~~	Clier	nt Inform	nation			Invoice Information				La	ab Us	e On	ly				TAT	ſ	State
Project:	12" 5	4-W0	uction Co Y Riss Iley Giove	or RO	<u>w_</u>	Add	pany: Ensolum LLC ress: 3122 National Parks Hwy State, Zip: Carlsbad NM, 8822			6 WO			Job I 23	Numl	ber S·CC	2	1D	2D 3	3D Std	
	-		al Parks			Pho	ne: 575-988-0055				_		Ana	lysis	and	Meth	od			EPA Program
			pad NM, i	88220			ail: agiovengo@ensolum.com		;	-										SDWA CWA RCRA
<u>Phone: !</u> =mail: a			nsolum.co	000		Misce	ellaneous:			<u>ا</u>	<u>ا</u>									Compliance Y or N
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					Sample Ir	nformation			_	<b>1</b> 2	Q A	y 802	826	e 300	Ň.	05 -1	Met			
Time Sampled	Date Sa	mpled	Matrix	No. of Containers		S	ample ID	Field	Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	тсед 1005 - ТХ	RCRA 8 Metals			Remarks
1120	9/19	1/24	50	1	F561-	-4'			1						Х					
101					FSGS	-1`			2							$\square$		$\square$		
1055					F566-	1'	1		3											
1046					F567-2	1`			4									-+		
118					F572-L	1`		_	5											
.118					F575-	41			4		ļ							$\square$		
1120					F576-L	1'			7											
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bsimmo	ns@ens pler), atte :Cole B	solum, est to the Burton	.com validity and		ty of this sample. I an	n aware that ta	iovengo@ensolum.com, iestre	the sar	nple locatio	n, date (	or time	of colle		s consi	idered	fraud a	nd ma	y be gro	ounds for l	
Relinquish	n la	m			/20/24 7:	11	Received by: (Signature) Michelle Gonzales Received by: (Signature)	G. Date	-20-24	Time	73	D			sample		eived pa		ice at an avg	g temp above 0 but less than 6 °C on Se Only
Mich		Gor	zales	, Ĝ G	20.24 1	830	seceived by (Signature)	1	.20.20		83	0			Rece	eived	on ic	:e: 🕻	(Y) / N	-
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A	<u>. Н.</u>			9		100			itainer Ty			<b>p</b> - p	oly/pi			Tem				r · · · · · · · · · · · · · · · · · · ·
Note: Sam	ples are	discarde	ed 14 days	after resu	Its are reported unl		angements are made. Hazardous samp	oles w	ill be retur	ned to	client o	or disp								he analysis of the above samples is
applicable	only to t	those sa	mpies rece	ervea by th	e laboratory with th	is coc. The	iability of the laboratory is limited to t	ne am	iount paid	ior on t	ine rep	ωπ.								

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**Chain of Custody** 

T Ctoto				PA Program	SDWA CWA RCRA	Compliance Y Or N			Remarks											solum.com,	trounds for legal action.	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on orboowneet Assoc	Lab Use Only	9 H	~	Sample Matrix: S - Soil, Se - Soild, Se - Soild, Se - Suidge, A - Aqueous, O - Other		anviroter	))))
7.47	ہ ۱۵	3		Analysis and Method			X	500	86DOC RCRA 8 RCRA 8											om, chamilton@en	idered fraud and may be g	Samples requiring thermal pr sampled or received packed i unbroquent dave	Received on ice:	11	AVG Temp °C	, ag - amber glass, v - he client expense. The I			)
Lab Hao Only	ĴΪ	ELING 19 1 2303-0002	1	Analysis			0 Ti 108 Å	978 A 803 80 P	СИ 0L!9 ЛОС Р ^Д ВLEX Р ^I ВКЕХ Р ^I ВХЕХ ОО											om, bdeal@ensolum.c	ate or time of collection is cons	Time 6730	^{Time} (330	S:0	Date Time AVG Temp °C 4	<b>g - glass, p - poly/plastic</b> I to client or disposed of at t	on the report.	M	
			0		n.com	<u> </u>			면 법 Lab 번 데 Number	)1	21	13	- HI	S	10	5	18	19	20	iestrella@ensolum.cc	labeling the sample location, d	ales 9-20-24 1	9.20.14	~ 9.2324 8:00	Date	Container Type: us samples will be returned	ited to the amount paid for		
ian and a farmed		Company: Ensolum LLC Address: 3122 National Parks Hwy	City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055	Email: agiovengo@ensolum.com	Miscellaneous:		ion	Sample ID											Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@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.	Received by: (Signature)	Received by: (;	Bacgived by: Kgnature)	Received by: (Signature)	arrangements are made. Hazardo	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.		
						ž		Sample Information	-	Sw13-0-4'	2414-0-41ms	Sw16-0.41	F590-1'	FS92-1.5'	F596-1.5	F- 4953	FS69-2.5'	FS70-2.5'	Sw15-0-4	ourton@ensolum.com,	ty of this sample. I am aware th	Date Date Time 9.20/24 7:30		<u>ب</u>		leous, O - Other Its are reported unless other	e laboratory with this COC. ¹		
	Client Information	RICH COMPANY	Siovengo	arks Hwy	4M, 88220	im.com			Matrix Containers	4	-								$\rightarrow$	Please CC: cl	ity and authenticit	d at	ales	<u>8</u> 5	Date	ig - Sludge, A - Aqu I days after resul	es received by th		
		<u>client: Matador Production Company</u> Project: אין		Address: 3122 National Parks Hwy	City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055 -mail: agiovengo@ensolum.com			Date Sampled Mat	9 (19/34 S									$\rightarrow$	Additional Instructions:	(field sampler), attest to the valid Sampled by: Cole Burton	Relinquished by (Signature)	20	Relinguished by: (Signature)	Relinquished by: (Signature)	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 14 days after results are reporte	only to those sample		
		roiect: Ni	roject Ma	vddress:	ity, State	<u>Phone: 57</u> Email: agi			Time Sampled	159 6	100	203	1103	1349	347	e)HI	14aa	Hehi	1431	Additiona	, (field sampl sampled by:	Relinquishe	Relinguisher	Relinguishe	Relinquishe	Sample Matri Note: Samp	applicable c		

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**Chain of Custody** 

State	NM CO UT TX		EPA Program	SDWA CWA RCRA	>	5	-	Remarks							É	jal action.	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on unbounded they are as a set of the set and a set of the	e Only	р		Sample Matrix: S - Soild, Sg - Soild, Sg - Sludge, A - Aqueous, O - Other		nvirotec	
TAT	1D 2D 3D Std	×	poq					8 AADA							 ilton@ensolum.con	and may be grounds for leg	ring thermal preservation must ceived packed in ice at an avg t	Lab Use Only on ice:	) E	թ°c 4	r glass, v - VOA		i v u	
Lab Use Only	Job Number	23005-0002	Analysis and Method			0.0	WIN -	LCEG 10 REDOC CPIOLIQ	×		1				nsolum.com, cham	ection is considered fraud	Samptes requires sampled or reconstructed	Received on ice:	11	AVG Tem	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA as will be returned to client or disposed of at the client expense. The report		Ũ	)
Lab Us	Lab WO#	E CLOHINI				ST08 /	4 O	втех _{by} втех _{by} леко/он леко/он		2	R C	 			um.com, bdeal@e	stion, date or time of coll	17 15130	M 1030	24 8:00	Time	Type: g - glass, p - p turned to client or disp	aid for on the report.		
tion			11 00440	im.com	-	100		년 대 년 대 Number	N	2	λί Ι	 -			 າ, iestrella@ensol	islabeling the sample loc	ander 9-20.2	1 ° Date 9.20.W	En 9,23,24	Date	Container lous samples will be re	nited to the amount p		
Invoice Information	Company: Ensolum LLC	Address: 3122 National Parks Hwy City State 7in: Carlshad NM, 88220			č		tion	Sample ID							Piease CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com,	DSIMITIONS(@EINSOLUTI.COTI) 1, (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.	Received by: (Signature)	Recepted	Required by dignature)	Received by: (Signature)	r arrangements are made. Hazard	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.		
							Sample Information		FS2S-4	-h-955-J	FSS7-4'				urton@ensolum.con	of this sample. I am aware t	Date Time 0/20/24 7:30	Dete Time 830	a.20.24 Lyno	Time	ous, O - Other	laboratory with this COC		
ation	mpany	cr Rou	Hwv	38220		E		No. of Containers	त		$\rightarrow$				se CC: cb	authenticity	Date C/		<b>D</b>	Date	dge, A - Aque after result	eived by the		
Client Information	uction Co	ist Risi	al Parks F	ad NM, 8		<u>Isolum.cc</u>		Matrix	S		>				ns: Plea	s validity and	e)	e) enzale	e)	(ə	olid, Sg - Sluc ed 14 davs	amples rece		
Clier	Client: Matador Production Company	Project: 13 " 4-Way Alser Row Project Manager: Ashley Ginvengo	Address: 3122 National Parks Hwv	City, State, Zip: Carlsbad NM, 88220	Phone: 575-988-0055	Email: agiovengo@ensolum.com		Date Sampled	Glialay		$\rightarrow$				Additional Instructions:	DSIMMONS(WENSOIUM.COM 1, (field sampler), attest to the validity Sampled hv.	Relinquished by (Signature)	Relinguished by, Signature) Wichelle Congales	Relinquished by: (Signature)	Relinquished by: (Signature)	trix: S - Soil, Sd - S. Dies are discarde	only to those sa		
	Client: N	Project:	Address:	City, Stat	Phone: 5	Email: aj		Time Sampled			SHI				Addition	1, (field sam	Relinguish	Relinguish	Reling	Relinquish	Sample Ma	applicable		

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

	Matador Resources, LLC. Da	te Received:	09/23/24 08:00	)	Work Order ID:	E409191
Phone:	(972) 371-5200 Da	te Logged In:	09/20/24 15:16	5	Logged In By:	Caitlin Mars
Email:		e Date:	09/27/24 17:00	) (4 day TAT)		
<u>Chain of</u>	f Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he 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	analyses?	Yes			
5. Were a	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 7	<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	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			
12. Was th	he 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 ten	perature: 4°C	;			
	<u>Container</u>	-	-			
	aqueous VOC samples present?		No			
15. Are V	VOC 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			
17. Was a						
	non-VOC samples collected in the correct containers?		Yes			
18. Are n	appropriate volume/weight or number of sample containers?	collected?	Yes Yes			
18. Are n	appropriate volume/weight or number of sample containers	collected?				
<ol> <li>18. Are n</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum information					
18. Are n 19. Is the Field La 20. Were	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum informa Sample ID?		Yes Yes			
18. Are n 19. Is the Field La 20. Were S	appropriate volume/weight or number of sample containers <u>bel</u> : field sample labels filled out with the minimum information Sample ID? Date/Time Collected?		Yes Yes Yes			
18. Are n 19. Is the Field La 20. Were S C	appropriate volume/weight or number of sample containers <u>bel</u> field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name?		Yes Yes			
18. Are n 19. Is the Field La 20. Were S C Sample J	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum informa Sample ID? Date/Time Collected? Collectors name? Preservation	ation:	Yes Yes Yes No			
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were prese	ation:	Yes Yes No No			
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: rved?	Yes Yes No No NA			
18. Are n 19. Is the Field La 20. Were S C Sample I 21. Does 22. Are s 24. Is lab	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta	ation: rved?	Yes Yes No No			
18. Are n 19. Is the Field La 20. Were S E C Sample J 21. Does 22. Are s 24. Is lab Multipha	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta ase Sample Matrix	ation: rved?	Yes Yes No No NA No			
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s 24. Is lab Multipha 26. Does	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta ase Sample Matrix the sample have more than one phase, i.e., multiphase?	ation: rved? ls?	Yes Yes No No NA No			
<ul> <li>18. Are n</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>S</li> <li>E</li> <li>C</li> <li>Sample I</li> <li>21. Does</li> <li>22. Are s</li> <li>24. Is lab</li> <li>Multiphi</li> <li>26. Does</li> <li>27. If yes</li> </ul>	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were preserved? of filteration required and/or requested for dissolved metation ase Sample Matrix the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed	ation: rved? ls?	Yes Yes No No NA No			
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18. Are n 19. Is the Field La 20. Were S E 20. Were S 20. Were S 20. Were S 21. Does 22. Are s 24. Is lab Multipha 26. Does 27. If yes Subcontr 28. Are s	appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were preserved? of filteration required and/or requested for dissolved metation ase Sample Matrix the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed	ation: rved? ls? l?	Yes Yes No No No No No	contract Lab: NA		

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





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**Practical Solutions for a Better Tomorrow** 

### **Analytical Report**

Matador Resources, LLC.

Project Name: 12

12 Inch 4-Way Riser Row

Work Order: E409210

Job Number: 23003-0002

Received: 9/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/30/24

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: 9/30/24

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

Project Name: 12 Inch 4-Way Riser Row Workorder: E409210 Date Received: 9/24/2024 8:10:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/24/2024 8:10:00AM, under the Project Name: 12 Inch 4-Way Riser Row.

The analytical test results summarized in this report with the Project Name: 12 Inch 4-Way Riser 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

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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#### Sample Summary

	sample sum	mary		
	Project Name: Project Number:	23003-0002	r Row	<b>Reported:</b>
	Project Manager:	Ashley Giovengo		09/30/24 15:36
Lab Sample ID	Matrix	Sampled	Received	Container
E409210-01A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-02A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-03A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-04A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-05A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-06A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-07A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-08A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-09A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-10A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-11A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-12A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-13A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
E409210-14A	Soil	09/20/24	09/24/24	Glass Jar, 2 oz.
	E409210-01A E409210-02A E409210-03A E409210-04A E409210-05A E409210-06A E409210-07A E409210-09A E409210-09A E409210-10A E409210-11A E409210-12A E409210-13A	Project Name:           Project Number:           Project Number:           Project Manager:           Lab Sample ID         Matrix           E409210-01A         Soil           E409210-02A         Soil           E409210-03A         Soil           E409210-03A         Soil           E409210-04A         Soil           E409210-05A         Soil           E409210-06A         Soil           E409210-07A         Soil           E409210-10A         Soil           E409210-10A         Soil           E409210-11A         Soil           E409210-12A         Soil           E409210-13A         Soil	Project Name:         12 Inch 4-Way Rise           Project Number:         23003-0002           Project Manager:         Ashley Giovengo           Lab Sample ID         Matrix         Sampled           E409210-01A         Soil         09/20/24           E409210-02A         Soil         09/20/24           E409210-03A         Soil         09/20/24           E409210-03A         Soil         09/20/24           E409210-04A         Soil         09/20/24           E409210-05A         Soil         09/20/24           E409210-05A         Soil         09/20/24           E409210-05A         Soil         09/20/24           E409210-06A         Soil         09/20/24           E409210-07A         Soil         09/20/24           E409210-07A         Soil         09/20/24           E409210-08A         Soil         09/20/24           E409210-09A         Soil         09/20/24           E409210-10A         Soil         09/20/24           E409210-11A         Soil         09/20/24           E409210-12A         Soil         09/20/24           E409210-13A         Soil         09/20/24	Project Number: Project Manager:         23003-0002 Ashley Giovengo           Lab Sample ID         Matrix         Sampled         Received           E409210-01A         Soil         09/20/24         09/24/24           E409210-02A         Soil         09/20/24         09/24/24           E409210-03A         Soil         09/20/24         09/24/24           E409210-03A         Soil         09/20/24         09/24/24           E409210-04A         Soil         09/20/24         09/24/24           E409210-05A         Soil         09/20/24         09/24/24           E409210-05A         Soil         09/20/24         09/24/24           E409210-06A         Soil         09/20/24         09/24/24           E409210-07A         Soil         09/20/24         09/24/24           E409210-07A         Soil         09/20/24         09/24/24           E409210-08A         Soil         09/20/24         09/24/24           E409210-09A         Soil         09/20/24         09/24/24           E409210-10A         Soil         09/20/24         09/24/24           E409210-11A         Soil         09/20/24         09/24/24           E409210-12A         Soil         09/20/24



		impic D				
Matador Resources, LLC.	Project Name:	12 Ii	nch 4-Way Ri	ser Row		
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300	03-0002			Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Giovengo			9/30/2024 3:36:44PM
		FS60 -2'				
		E409210-01				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2439041
Benzene	ND	0.0250	1	09/24/24	09/28/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/28/24	
Toluene	ND	0.0250	1	09/24/24	09/28/24	
p-Xylene	ND	0.0250	1	09/24/24	09/28/24	
o,m-Xylene	ND	0.0500	1	09/24/24	09/28/24	
Total Xylenes	ND	0.0250	1	09/24/24	09/28/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130	09/24/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/24/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130	09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/28/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130	09/24/24	09/28/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/24/24	09/28/24	
Surrogate: Toluene-d8		103 %	70-130	09/24/24	09/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0	1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/25/24	09/28/24	
Surrogate: n-Nonane		91.8 %	50-200	09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: WF		Batch: 2439066
Chloride	53.8	20.0	1	09/25/24	09/25/24	

#### Sample Data



#### Sample Data

	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manag	er: 230	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 9/30/2024 3:36:44PM
		FS62 -2'					
		E409210-02					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		95.0 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		95.0 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		96.8 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439066
Chloride	121	20.0		1	09/25/24	09/25/24	



#### Sample Data

		ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	er: 2300	nch 4-Way 03-0002		ow		<b>Reported:</b> 9/30/2024 3:36:44PM
Dallas TX, 75240	Project Manag	er: Asn	ley Giover	igo			9/30/2024 5:50:44PM
		FS63 -1'					
		E409210-03					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
o-Xylene	ND	0.0250		1	09/24/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		93.4 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		103 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		93.4 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		103 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		95.2 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439066
Chloride	149	20.0		1	09/25/24	09/25/24	



#### Sample Data

		ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	er: 2300	nch 4-Way )3-0002		ow		Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giover	ngo			9/30/2024 3:36:44PM
		FS68 -1'					
		E409210-04					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		95.6%	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		99.8 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		95.6 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		99.8 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		98.1 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439066
Chloride	22.0	20.0		1	09/25/24	09/25/24	



#### Sample Data

		ample D	ata				
Matador Resources, LLC.	Project Name:		nch 4-Way )3-0002	Riser R	.ow		D ( )
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Numbe Project Manag		ley Giovei				<b>Reported:</b> 9/30/2024 3:36:44PM
Danas IX, 73240	Project Manag	er: Asn	ley Glovel	igo			9/30/2024 5.30.44PM
		FS79 -1'					
		E409210-05					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		94.7 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		100 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		94.7 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		100 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		89.0 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2439066
Chloride	ND	20.0		1	09/25/24	09/25/24	



#### Sample Data

		imple D	ata				
Matador Resources, LLC.	Project Name:		nch 4-Way	Riser R	low		
5400 LBJ Freeway, Suite 1500	Project Numbe		03-0002				Reported:
Dallas TX, 75240	Project Manag	er: Ash			9/30/2024 3:36:44PM		
		FS91 -1'					
	]	E409210-06					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		92.1 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		92.1 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		90.3 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2439066
Chloride	33.5	20.0		1	09/25/24	09/25/24	



#### Sample Data

	50	imple D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	r: 230	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 9/30/2024 3:36:44PM
		FS54 -4'					
	]	E409210-07					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		91.8 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		101 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		91.8 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		101 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		94.6 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2439066
Chloride	3880	40.0		2	09/25/24	09/25/24	



#### Sample Data

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		nch 4-Way )3-0002	Riser R	ow		Reported:
Dallas TX, 75240	Project Manage	9/30/2024 3:36:44PM					
		FS55 -4'					
	]	E409210-08					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		91.5 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		91.5 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		90.9 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439066
Chloride	5310	100		5	09/25/24	09/25/24	



#### Sample Data

	St	imple D	ata				
Matador Resources, LLC.	Project Name:	12 I	nch 4-Way	Riser R	.0W		
5400 LBJ Freeway, Suite 1500	Project Numbe	Project Number: 23003-0002					Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Giover	ngo			9/30/2024 3:36:44PM
		FS80 -1'					
	-	E409210-09					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
-Xylene	ND	0.0250		1	09/24/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		94.3 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		94.3 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		94.7 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2439066
Chloride	87.2	20.0		1	09/25/24	09/26/24	



#### Sample Data

	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	er: 2300	nch 4-Way 03-0002 ley Giover		ow		<b>Reported:</b> 9/30/2024 3:36:44PM
		FS84 -1'					
		E409210-10					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		92.7 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		103 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		92.7 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		103 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		95.5 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439066
Chloride	ND	20.0		1	09/25/24	09/26/24	



#### Sample Data

	Ja	imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	r: 2300	nch 4-Way 03-0002		ow		<b>Reported:</b> 9/30/2024 3:36:44PM
Dallas TX, 75240	Project Manage	er: Asn	ley Giover	igo			9/30/2024 3:36:44PM
		FS85 -1'					
	]	E409210-11					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		93.7 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		99.3 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		93.7 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4	-	98.0 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		99.3 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		83.8 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439066
Chloride	283	20.0		1	09/25/24	09/26/24	



#### Sample Data

	D.	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 9/30/2024 3:36:44PM
		FS94 -1'					
		E409210-12					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Foluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		91.2 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		101 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		91.2 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		101 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		97.9 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439066
Chloride	284	20.0		1	09/25/24	09/26/24	



#### Sample Data

	56	ample D	ata				
Matador Resources, LLC.	Project Name:		nch 4-Way	Riser R	ow		Democrated
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Numbe Project Manag		)3-0002 ley Giover	<b>Reported:</b> 9/30/2024 3:36:44PM			
Danas 1 <i>X</i> , 75240	Project Manag	er. Asn	ley Glover		9/30/2024 5.30.44PM		
		FS59 -1'					
		E409210-13					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		94.3 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		101 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		94.3 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		101 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		102 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2439066
Chloride	339	20.0		1	09/25/24	09/26/24	



#### Sample Data

		ample D	ara				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	er: 2300	nch 4-Way 03-0002		low		Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giovei	9/30/2024 3:36:44PM			
		FS58 -1'					
		E409210-14					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439041
Benzene	ND	0.0250		1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/24/24	09/29/24	
Toluene	ND	0.0250		1	09/24/24	09/29/24	
p-Xylene	ND	0.0250		1	09/24/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		93.1 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		100 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439041
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/24/24	09/29/24	
Surrogate: Bromofluorobenzene		93.1 %	70-130		09/24/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		09/24/24	09/29/24	
Surrogate: Toluene-d8		100 %	70-130		09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2439062
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/28/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/28/24	
Surrogate: n-Nonane		98.8 %	50-200		09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: WF		Batch: 2439066
Chloride	104	20.0		1	09/25/24	09/26/24	



#### **QC Summary Data**

Matador Resources, LLC.		Project Name:	12	Inch 4-Way I	Riser Row				D ( 1
5400 LBJ Freeway, Suite 1500		Project Number:		003-0002					Reported:
-		•							0/20/2024 2 26 4 122
Dallas TX, 75240		Project Manager:	As	shley Gioveng	<u>go</u>				9/30/2024 3:36:44PM
	V	olatile Organic	Compo	unds by EF	PA 8260B	5			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 (2439041-BLK1)						I	Prepared: 09	9/24/24 Ai	nalyzed: 09/28/24
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	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			
LCS (2439041-BS1)						I	Prepared: 09	9/24/24 Ai	nalyzed: 09/28/24
Benzene	2.49	0.0250	2.50		99.4	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.35	0.0250	2.50		94.1	70-130			
p,m-Xylene	4.76	0.0500	5.00		95.1	70-130			
Total Xylenes	7.11	0.0250	7.50		94.8	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS Dup (2439041-BSD1)						I	Prepared: 0	9/24/24 Ai	nalyzed: 09/28/24
Benzene	2.47	0.0250	2.50		99.0	70-130	0.444	23	
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130	0.00	27	
Toluene	2.45	0.0250	2.50		98.1	70-130	3.21	24	
o-Xylene	2.41	0.0250	2.50		96.3	70-130	2.37	27	
p,m-Xylene	4.82	0.0500	5.00		96.5	70-130	1.38	27	
Total Xylenes	7.23	0.0250	7.50		96.4	70-130	1.71	27	
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			



#### **QC Summary Data**

		QU D	umm	ary Duc					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	2 Inch 4-Way l 23003-0002 Ashley Gioveng					<b>Reported:</b> 9/30/2024 3:36:44PM
2 4140 111, 702 10	No	nhalogenated (				RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
			g.ng		70	70	70	70	notes
Blank (2439041-BLK1)							Prepared: 0	9/24/24 A	nalyzed: 09/28/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			
LCS (2439041-BS2)							Prepared: 0	9/24/24 A	nalyzed: 09/28/24
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.8	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
LCS Dup (2439041-BSD2)							Prepared: 0	9/24/24 A	nalyzed: 09/28/24
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0		82.9	70-130	2.60	20	
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



#### **QC Summary Data**

		QU DI		ary Data	4				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	2 Inch 4-Way I 23003-0002 Ashley Gioveng					<b>Reported:</b> 9/30/2024 3:36:44PM
	Nonha	alogenated Org		, ,		/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 (2439062-BLK1)							Prepared: 0	9/25/24 A	Analyzed: 09/28/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			
LCS (2439062-BS1)							Prepared: 0	9/25/24 A	Analyzed: 09/28/24
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	55.1		50.0		110	50-200			
Matrix Spike (2439062-MS1)				Source:	E409210-	05	Prepared: 0	9/25/24 A	Analyzed: 09/28/24
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			
Matrix Spike Dup (2439062-MSD1)				Source:	E409210-	05	Prepared: 0	9/25/24 A	Analyzed: 09/28/24
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132	2.68	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



#### **QC Summary Data**

			•	J –						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		12 Inch 4-Way 23003-0002 Ashley Gioveng					<b>Reported</b> 9/30/2024 3:36	
		Anions	by EPA	<b>300.0/9056</b>	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	S
Blank (2439066-BLK1)							Prepared: 0	9/25/24	Analyzed: 09/25	5/24
Chloride	ND	20.0								
LCS (2439066-BS1)							Prepared: 0	9/25/24	Analyzed: 09/25	5/24
Chloride	251	20.0	250		100	90-110				
Matrix Spike (2439066-MS1)				Source:	E409210-0	2	Prepared: 0	9/25/24	Analyzed: 09/25	5/24
Chloride	362	20.0	250	121	96.5	80-120				
Matrix Spike Dup (2439066-MSD1)				Source:	E409210-(	2	Prepared: 0	9/25/24	Analyzed: 09/25	5/24
Chloride	372	20.0	250	121	100	80-120	2.65	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:	12 Inch 4-Way Riser Row	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/30/24 15:36

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



# Released to Imaging: 10/30/2024 3:59:26 PM

#### **Chain of Custody**

	Chain of C	ustody										Page <u> </u>
Client Information	Invoice Information	_	Lab Use Only						Т	TAT		State
Client: Matador Production Company	Company: Ensolum LLC		Lab WO							2D 3	D Std	
Project: 12" 4-way Riser Row	Address: 3122 National Parks Hwy		Lab WO E 40	921	<u>0  </u>	230	<u>03</u> .	000	20		X	X
roject Manager: Ashley Giovengo		City, State, Zip: Carlsbad NM, 88220								_		
Address: 3122 National Parks Hwy	Phone: 575-988-0055			<del>, ,</del>		Anal	ysis i	and N	letho	<u>,</u> 		EPA Program SDWA CWA RCRA
<u>City, State, Zip: Carlsbad NM, 88220</u> Phone: 575- <u>988-0055</u>	Email: agiovengo@ensolum.com Miscellaneous:			1								SDWA CWA NCNA
mail: agiovengo@ensolum.com			5	<u>ہ</u> ا								Compliance Y or N
			y 8015	V 801	न		2	_	x s			PWSID #
Sample	Information			a Sa	γ 802	, 826	e 30	N.	Met 1			
Time Sampled Date Sampled Matrix No. of Containers	Sample ID	al Field Filter d	10	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEU 1005 - 1X RCRA 8 Metals			Remarks _
1037 9/20/2024 50:1 1 F560 1040 9/20/2024 50:1 1 F562	-2'							<u>}</u>	_			
		2	<u> </u>					χļ	_			
1043 9holzoc4 50:1 1 F563	-1'	3						X				
1124 9/20/2024 Soil 1 F566		4						X				
1129 9/20/2024 Soil 1 FS70		5						X		++		
1130 9/20/2024 Soil 1 F591.	~1'							χ				
1147 9/20/1024 50:1 1 F554.		7					_	χ				
1149 9/20/2014 Soil 1 F555.		8						X				
200 4/20/2024 50il 1 F580		9	,					X			_	
1313 9/20/2014 Soil 1 F5 84		10						χI				
dditional Instructions: Please CC: cburton@enso	olum.com, agiovengo@ensolum.com, iestr	ella@ens	olum.co	om, bd	leal@	Pense	olum	.com,	cham	ilton@e	ensolun	n.com,
simmons@ensolum.com (field sampler), attest to the validity and authenticity of this sample. I	am aware that tampering with or intentionally mislabeling t	the sample lo	cation, date	e or time	e of co	lection	is con	sidered	fraud ar	d may be g	rounds fo	legal action.
ampled by:Brandon Deal 9/13/10/24												
110000		Date Firme Samples requiring thermal preservation must be received on ice the day sampled or received packed in ice at an avg temp above 0 but less than subsenuent days				g temp above 0 but less than 6 °C on						
telinguished by: (Signature) Date 69 1.23-24	Received by! (Signature)	Date <b>q</b> . 23.	<u>и[1</u>	<u>73</u>	0			Recei	ved o	ice:		se Only I
	400 Auth Man	9.23.	24 8	<u>''. 10</u>	)			<u>T1</u>		I	2	<u>T3</u>
elinquished by: (Signature) Date Tim	Received by: (Signature)	Date	Time					AVG .			<del></del>	
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 14 days after results are reported	unloss other arrangements are made. Hazardous san	Container		_				-	mper	glass, V -	VUA	for the analysis of the above
	oratory with this COC. The liability of the laboratory								E			

#### Chain of Custody

<b>A</b> lt		Invoice Information					hlle	0.0-1-	,				<u>АТ</u>	1	State	
Client Information					Lab Use Only ab WO# Job Number					+	TAT 1D 2D 3D Std					
Client: Matador Production Compa Project: 12" 4-way Riser Row	ny	Company: Ensolum LLC Address: 3122 National Parks Hw	 V		b WO# L/09	121	n İ	230	1000 1000	er MAZ	, ⊢		13013	X		
Project Manager: Ashley Giovengo		City, State, Zip: Carlsbad NM, 882		—   <u>E</u> s	401	4		634	50	m						
ddress: 3122 National Parks Hwy		Phone: 575-988-0055		_	<b></b>			Analy	sis a	ind M	etho	d			EPA Program	
City, State, Zip: Carlsbad NM, 8822		Email: agiovengo@ensolum.com	n				_		T					- SI	WA CWA RCRA	
hone: 575-988-0055		Miscellaneous:		_												
mail: agiovengo@ensolum.com					5	<u></u> א									npliance Y or N	
					y 8015	8			8	5 3	<u>د ا</u> ≥			PV	/SID #	
	Sample Infor	mation		<u> </u>		ĝ	× 8	y 826	8						Demostra	
Time Date Sampled Matrix No. Contain		Sample ID		Lab Numbe	PRO/ORO by	GRO/DRO by 8015 BTEX by 8021	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	ICEQ JOUS - IX	2			Remarks	
1315 9/20/2024 Soil 1	F585-1'	·								Х						
1317 9/20/1024 50:1 1	FS 94 - 1'			12						X				_		
1408 Alzolzoza Soil 1	FJ59-4'			13						X						
1415 9/2014 Soil 1	FS58-1'			14						χL						
dditional Instructions: Please C	C: cburton@ensolum.	com, agiovengo@ensolum.com, ies	strella	@ensolu	um.co	m, bd	leal@	Penso	lum.	.com,	char	nilton	@enso	lum.co	om,	
simmons@ensolum.com																
	nticity of this sample. I am awa	are that tampering with or intentionally mislabeling	ng the sa	mple locati	ion, date	or time	e of co	llection i	s consi	idered	fraud a	nd may	be ground	is for lega	I action.	
ampled by:Brandon Deal telinquished by: (Signature)	Date Time	Received by Signature)	Date Gr	1,2.74	Time	x	15	<b>r</b> .	sa	ampled o	or receiv				e received on ice the day they are ap above 0 but less than 6 °C on	
teli/quistred by: (Signature)	Pate 7222 4 10	Received by (Signeture)	Date	- <u>-</u> .૧૩.૧	Time	73	36			ubseque Receix		Lab Use Only ed on ice: Y N				
	Date Time 7.4	Received by: (Appature)	- Q.		Time		- •			Г1		T2 T3				
	Date Time	Received by: (Signature)	Date		Time				ľ	AVG T	emn	 °ر	4			
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A -	Aqueous, O - Other		Con	tainer Ty	/pe: g -	glass	, p - p	oly/pl					V-VOA			
Note: Samples are discarded 14 days after	results are reported unless	- other arrangements are made. Hazardous s									lient e	expense	. The rep	port for	the analysis of the above	
amples is applicable only to those samples	s received by the laborator	y with this COC. The liability of the laborato	ry is lim	ited to the	e amou	nt paic	d for o	in the r	eport.	•						

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client: Matador Resources, LLC.	Date Received:	09/24/24	08:10	Work Order ID:	E409210
Phone: (972) 371-5200	Date Logged In:	09/23/24	14:59	Logged In By:	Caitlin Mars
Email: agiovngo@ensolum.com	Due Date:	09/30/24	17:00 (4 day TAT)		
Chain of Custody (COC)					
1. Does the sample ID match the COC?		Yes			
2. Does the number of samples per sampling s	ite location match the COC	Yes			
3. Were samples dropped off by client or carri	er?	Yes	Carrier: Courier		
4. Was the COC complete, i.e., signatures, dat	es/times, requested analyses?	Yes			
<ol> <li>Were all samples received within holding ti Note: Analysis, such as pH which shou i.e, 15 minute hold time, are not include</li> </ol>	ld be conducted in the field,	Yes		Commen	ts/Resolution
<u>Sample Turn Around Time (TAT)</u>					
6. Did the COC indicate standard TAT, or Exp	edited 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 b	proken?	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 reco Note: Thermal preservation is not requi minutes of sampling	· · ·	Yes			
13. If no visible ice, record the temperature.	Actual sample temperature: 4°	<u>C</u>			
<u>Sample Container</u>					
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 size	zed or less)?	NA			
17. Was a trip blank (TB) included for VOC a	nalyses?	NA			
18. Are non-VOC samples collected in the con-	rect containers?	Yes			
19. Is the appropriate volume/weight or number of	of sample containers collected?	Yes			
Field Label					
20. Were field sample labels filled out with the	e minimum information:				
Sample ID?		Yes			
Date/Time Collected? Collectors name?		Yes No			
Sample Preservation		INU			
21. Does the COC or field labels indicate the s	samples were preserved?	No			
22. Are sample(s) correctly preserved?	- 1	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	e, i.e., multiphase?	No			
27. If yes, does the COC specify which phase		NA			
Subcontract Laboratory		- •• •			
28. Are samples required to get sent to a subco	ontract laboratory?	No			
29. Was a subcontract laboratory specified by	-	NA	Subcontract Lab: NA		
, i,					

C

Date

envirotech Inc.

Released to Imaging: 10/30/2024 3:59:26 PM





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:

12 Inch 4-Way Riser Row

Work Order: E409226

Job Number: 23003-0002

Received: 9/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/1/24

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: 10/1/24

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

Project Name: 12 Inch 4-Way Riser Row Workorder: E409226 Date Received: 9/25/2024 8:10:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/25/2024 8:10:00AM, under the Project Name: 12 Inch 4-Way Riser Row.

The analytical test results summarized in this report with the Project Name: 12 Inch 4-Way Riser 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

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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#### Sample Summarv

		Sample Sum	mary				
Matador Resources, LLC.	Project Name:	12 Inch 4-Way Rise	Reported:				
5400 LBJ Freeway, Suite 1500		Project Number:	23003-0002		-		
Dallas TX, 75240		Project Manager:	Ashley Giovengo		10/01/24 14:59		
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
'S77 -0.5'	E409226-01A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
'882 -1'	E409226-02A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S86 -1'	E409226-03A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S87 -1'	E409226-04A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S103 -2'	E409226-05A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S73 -4'	E409226-06A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S95 -1'	E409226-07A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
'S105 -2'	E409226-08A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S104 -2'	E409226-09A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S97 1'	E409226-10A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S100 -1'	E409226-11A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S101 -1'	E409226-12A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S102 -1'	E409226-13A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S71 -1'	E409226-14A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S81 -0.5'	E409226-15A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
W19 - 0-1'	E409226-16A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
W20 - 0-1'	E409226-17A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
W21 - 0-2'	E409226-18A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
W22 - 0-2'	E409226-19A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
W23 - 0-4'	E409226-20A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
W24 - 0-4'	E409226-21A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
W17 - 0-4'	E409226-22A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
W18 0-4'	E409226-23A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
\$83 -1.5'	E409226-24A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S74 -4'	E409226-25A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
\$93 -1'	E409226-26A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
S98 -2'	E409226-27A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		
899 -2'	E409226-28A	Soil	09/23/24	09/25/24	Glass Jar, 2 oz.		



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	~.	imple D				
Matador Resources, LLC.	Project Name:	12 Ii	nch 4-Way F	Riser Row		
5400 LBJ Freeway, Suite 1500	Project Numbe	er: 2300	03-0002		Reported:	
Dallas TX, 75240	Project Manag	er: Ash	ley Gioveng	0		10/1/2024 2:59:28PM
		FS77 -0.5'				
		E409226-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: BA		Batch: 2439064
Benzene	ND	0.0250	1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250	1	09/25/24	09/29/24	
Toluene	ND	0.0250	1	09/25/24	09/29/24	
p-Xylene	ND	0.0250	1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500	1	09/25/24	09/29/24	
Fotal Xylenes	ND	0.0250	1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130	09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/25/24	09/29/24	
Surrogate: Toluene-d8		100 %	70-130	09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: BA		Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130	09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/25/24	09/29/24	
Surrogate: Toluene-d8		100 %	70-130	09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/25/24	10/01/24	
Surrogate: n-Nonane		105 %	50-200	09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2439088
Chloride	273	20.0	1	09/26/24	09/26/24	

# Sample Data



## Sample Data

	D	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	Jumber: 23003-0002				<b>Reported:</b> 10/1/2024 2:59:28PM	
		FS82 -1'					
		E409226-02					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		100 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		100 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		104 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2439088
Chloride	55.4	20.0		1	09/26/24	09/26/24	



## **Sample Data**

		ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	umber: 23003-0002					<b>Reported:</b> 10/1/2024 2:59:28PM
		FS86 -1'	-				
		E409226-03					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		95.4 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		101 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		95.4 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		101 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2439074	
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		93.8 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2439088
Chloride	186	20.0		1	09/26/24	09/27/24	



## Sample Data

	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2300	12 Inch 4-Way Riser Row 23003-0002 Ashley Giovengo				<b>Reported:</b> 10/1/2024 2:59:28PM
		FS87 -1'					
		E409226-04					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
o-Xylene	ND	0.0250		1	09/25/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		90.5 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		91.8 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		104 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		90.5 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		91.8 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		104 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	kg Analyst: NV			Batch: 2439074	
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		105 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088
Chloride	70.9	20.0		1	09/26/24	09/26/24	



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## Sample Data

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
		FS103 -2'					
		E409226-05					
		Reporting					
Analyte	Result	Limit	Dı	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		94.5 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		94.5 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		107 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2439088
Chloride	121	20.0		1	09/26/24	09/27/24	



## **Sample Data**

		imple D	uu					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	oject Number: 23003-0002					<b>Reported:</b> 10/1/2024 2:59:28PM	
		FS73 -4'						
	-	E409226-06						
		Reporting						
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064	
Benzene	ND	0.0250		1	09/25/24	09/29/24		
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24		
Toluene	ND	0.0250		1	09/25/24	09/29/24		
p-Xylene	ND	0.0250		1	09/25/24	09/29/24		
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24		
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24		
Surrogate: Bromofluorobenzene		91.4 %	70-130		09/25/24	09/29/24		
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		09/25/24	09/29/24		
Surrogate: Toluene-d8		104 %	70-130		09/25/24	09/29/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064	
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24		
Surrogate: Bromofluorobenzene		91.4 %	70-130		09/25/24	09/29/24		
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		09/25/24	09/29/24		
Surrogate: Toluene-d8		104 %	70-130		09/25/24	09/29/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	kg Analyst: NV			Batch: 2439074		
Diesel Range Organics (C10-C28)	728	25.0		1	09/25/24	10/01/24		
Dil Range Organics (C28-C36)	376	50.0		1	09/25/24	10/01/24		
Surrogate: n-Nonane		111 %	50-200		09/25/24	10/01/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088	
Chloride	2550	40.0		2	09/26/24	09/27/24		



## Sample Data

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	·	Project Number: 23003-0002					Reported:
Dallas TX, 75240	Project Manag	er: Ash	ley Giover	ıgo			10/1/2024 2:59:28PM
		FS95 -1'					
	]	E409226-07					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		96.1 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		100 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		96.1 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/25/24	09/29/24	
urrogate: Toluene-d8		100 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: NV			Batch: 2439074	
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		108 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2439088
Chloride	39.1	20.0		1	09/26/24	09/27/24	



## Sample Data

		impic D					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
		FS105 -2'					
	-	E409226-08					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	Batell. 2437004
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Foluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		95.5 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		99.8 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		95.5 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		99.8 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		106 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2439088
Chloride	ND	20.0		1	09/26/24	09/27/24	



## **Sample Data**

	D.	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe		nch 4-Way )3-0002	Riser R	ow		Reported:
Dallas TX, 75240	Project Manag		ley Giover		10/1/2024 2:59:28PM		
Dunus 174, 75240	i iojeet Manag	,01. 71511	ley Glover	150			10,1,2021 210,12011.
		FS104 -2'					
		E409226-09					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		93.7 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2439064	
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		93.7 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV		NV		Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		109 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2439088
Chloride	22.4	20.0		1	09/26/24	09/27/24	



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## Sample Data

	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb	er: 2300	nch 4-Way )3-0002		ow		Reported:
Dallas TX, 75240	Project Manag	ger: Ash	ley Giover	10/1/2024 2:59:28PM			
		FS97 1'					
		E409226-10					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
o-Xylene	ND	0.0250		1	09/25/24	09/29/24	
,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		92.4 %	70-130		09/25/24	09/29/24	
urrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		103 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		92.4 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130		09/25/24	09/29/24	
urrogate: Toluene-d8		103 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	46.6	25.0		1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
urrogate: n-Nonane		100 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2439088
Chloride	236	20.0		1	09/26/24	09/27/24	



### Sample Data

	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
		FS100 -1'					
		E409226-11					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		90.8 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		90.8 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		108 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088
Chloride	ND	20.0		1	09/26/24	09/27/24	



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### **Sample Data**

	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Manaş	er: 2300	nch 4-Way 03-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
		FS101 -1'					
		E409226-12					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		90.5 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		90.5 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		108 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088
Chloride	55.1	20.0		1	09/26/24	09/27/24	



### **Sample Data**

	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 230	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
		FS102 -1'					
		E409226-13					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		93.9 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		93.9 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		106 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2439088
Chloride	42.3	20.0		1	09/26/24	09/27/24	



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## Sample Data

	6	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
		FS71 -1'					
		E409226-14					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		93.1 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		93.1 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Gurrogate: n-Nonane		98.0 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088
Chloride	137	20.0		1	09/26/24	09/27/24	



		ample D	utu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	er: 2300	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
		FS81 -0.5'					
		E409226-15					
Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
Аналус	Kesult	Liiiit	DI	Iution	riepaieu	Anaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		93.0 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		93.0 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		102 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		97.6 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088
Chloride	44.8	20.0		1	09/26/24	09/27/24	



	5	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name Project Numb	ber: 2300	nch 4-Way )3-0002 ley Giover		low		Reported:
Dallas TX, 75240	Project Mana		10/1/2024 2:59:28PM				
		SW19 - 0-1'					
		E409226-16					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/30/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/30/24	
Toluene	ND	0.0250		1	09/25/24	09/30/24	
p-Xylene	ND	0.0250		1	09/25/24	09/30/24	
p,m-Xylene	ND	0.0500		1	09/25/24	09/30/24	
Fotal Xylenes	ND	0.0250		1	09/25/24	09/30/24	
Surrogate: Bromofluorobenzene		91.0 %	70-130		09/25/24	09/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		09/25/24	09/30/24	
Surrogate: Toluene-d8		100 %	70-130		09/25/24	09/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/30/24	
Surrogate: Bromofluorobenzene		91.0 %	70-130		09/25/24	09/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		09/25/24	09/30/24	
Surrogate: Toluene-d8		100 %	70-130		09/25/24	09/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		108 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088
Chloride	153	20.0		1	09/26/24	09/27/24	



		ample D	uu				
Matador Resources, LLC.	Project Name:	12 I	nch 4-Way	/ Riser R	.0W		
5400 LBJ Freeway, Suite 1500	Project Numbe		)3-0002 ley Giover	Reported:			
Dallas TX, 75240	Project Manag		10/1/2024 2:59:28PM				
	5	SW20 - 0-1'					
		E409226-17					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/30/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/30/24	
Toluene	ND	0.0250		1	09/25/24	09/30/24	
p-Xylene	ND	0.0250		1	09/25/24	09/30/24	
p,m-Xylene	ND	0.0500		1	09/25/24	09/30/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/30/24	
Surrogate: Bromofluorobenzene		94.6 %	70-130		09/25/24	09/30/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/25/24	09/30/24	
Surrogate: Toluene-d8		101 %	70-130		09/25/24	09/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/30/24	
Surrogate: Bromofluorobenzene		94.6 %	70-130		09/25/24	09/30/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		09/25/24	09/30/24	
Surrogate: Toluene-d8		101 %	70-130		09/25/24	09/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		106 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088
Chloride	34.4	20.0		1	09/26/24	09/27/24	



## Sample Data

	5	ample D	ala				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
		SW21 - 0-2'					
		E409226-18					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/30/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/30/24	
Toluene	ND	0.0250		1	09/25/24	09/30/24	
o-Xylene	ND	0.0250		1	09/25/24	09/30/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/30/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/30/24	
Surrogate: Bromofluorobenzene		91.8 %	70-130		09/25/24	09/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/25/24	09/30/24	
Surrogate: Toluene-d8		103 %	70-130		09/25/24	09/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/30/24	
Surrogate: Bromofluorobenzene		91.8 %	70-130		09/25/24	09/30/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/25/24	09/30/24	
Surrogate: Toluene-d8		103 %	70-130		09/25/24	09/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		110 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088
Chloride	77.1	20.0		1	09/26/24	09/27/24	



## Sample Data

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
	S	SW22 - 0-2'					
	]	E409226-19					
Analyte	Result	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/30/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/30/24	
Foluene	ND	0.0250		1	09/25/24	09/30/24	
p-Xylene	ND	0.0250		1	09/25/24	09/30/24	
p,m-Xylene	ND	0.0500		1	09/25/24	09/30/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/30/24	
Surrogate: Bromofluorobenzene		88.5 %	70-130		09/25/24	09/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		09/25/24	09/30/24	
Surrogate: Toluene-d8		101 %	70-130		09/25/24	09/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/30/24	
Surrogate: Bromofluorobenzene	,	88.5 %	70-130		09/25/24	09/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		09/25/24	09/30/24	
Surrogate: Toluene-d8		101 %	70-130		09/25/24	09/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		99.1 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088
Chloride	37.3	20.0		1	09/26/24	09/27/24	



		ample D	ata				
Matador Resources, LLC.	Project Name:		nch 4-Way )3-0002	Riser R	low		Dementede
5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Numbe Project Manag		ley Giover	100			<b>Reported:</b> 10/1/2024 2:59:28PM
			ley Glover	igo			10/11/2021 2.09.201101
	S	SW23 - 0-4'					
		E409226-20					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: BA		Batch: 2439064
Benzene	ND	0.0250		1	09/25/24	09/30/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/30/24	
Toluene	ND	0.0250		1	09/25/24	09/30/24	
p-Xylene	ND	0.0250		1	09/25/24	09/30/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/30/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/30/24	
Surrogate: Bromofluorobenzene		90.0 %	70-130		09/25/24	09/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		09/25/24	09/30/24	
Surrogate: Toluene-d8		101 %	70-130		09/25/24	09/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439064
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/30/24	
Surrogate: Bromofluorobenzene		90.0 %	70-130		09/25/24	09/30/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		09/25/24	09/30/24	
Surrogate: Toluene-d8		101 %	70-130		09/25/24	09/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2439074
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	10/01/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/25/24	10/01/24	
Surrogate: n-Nonane		107 %	50-200		09/25/24	10/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439088
Chloride	30.8	20.0		1	09/26/24	09/27/24	



	54	imple D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manage	r: 2300	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
	S	W24 - 0-4'					
	]	E409226-21					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439068
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		96.1 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		95.8 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439068
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		96.1 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		95.8 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2439075
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/30/24	
Surrogate: n-Nonane		128 %	50-200		09/25/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2439085
Chloride	69.4	20.0		1	09/26/24	09/26/24	



## Sample Data

		imple D	uuu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way 03-0002 ey Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
	5	SW17 - 0-4'					
	-	E409226-22					
Analyta	Result	Reporting Limit	D:	lution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439068
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		96.2 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439068
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		96.2 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2439075
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/30/24	
Surrogate: n-Nonane		120 %	50-200		09/25/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439085
Chloride	84.7	20.0		1	09/26/24	09/26/24	



		ample D	uu				
Matador Resources, LLC.	Project Name:		nch 4-Way	Riser R	.0W		
5400 LBJ Freeway, Suite 1500	Project Numbe				Reported:		
Dallas TX, 75240	Project Manag	ger: Ash	ley Giover	10/1/2024 2:59:28PM			
		SW18 0-4'					
		E409226-23					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439068
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
o-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.2 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		96.5 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439068
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.2 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		96.5 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2439075
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/30/24	
Surrogate: n-Nonane		125 %	50-200		09/25/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439085
Chloride	69.2	20.0		1	09/26/24	09/26/24	



	3	ample D	ลเล				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2300	nch 4-Way )3-0002 ley Gioven		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
		FS83 -1.5'					
		E409226-24					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	BA		Batch: 2439068
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
oluene	ND	0.0250		1	09/25/24	09/29/24	
-Xylene	ND	0.0250		1	09/25/24	09/29/24	
,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		96.7 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439068
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		96.7 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2439075
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/30/24	
Surrogate: n-Nonane		115 %	50-200		09/25/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439085
Chloride	208	20.0		1	09/26/24	09/26/24	



## Sample Data

	56	ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way )3-0002 ley Giover		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
	, ,						
		FS74 -4' E409226-25					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439068
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
-Xylene	ND	0.0250		1	09/25/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		99.8 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		97.5 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA			Batch: 2439068
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		99.8 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		97.5 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2439075
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/30/24	
Surrogate: n-Nonane		154 %	50-200		09/25/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2439085
Chloride	136	20.0		1	09/26/24	09/26/24	



## Sample Data

	50	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	nch 4-Way )3-0002 ley Gioven		ow		<b>Reported:</b> 10/1/2024 2:59:28PM
	Tiojeet Mailag	10/1/2024 2.57.20114					
		FS93 -1'					
		E409226-26					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2439068
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Foluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		96.1 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	BA		Batch: 2439068
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		96.1 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2439075
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/30/24	
Surrogate: n-Nonane		123 %	50-200		09/25/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2439085
Chloride	53.1	20.0		1	09/26/24	09/26/24	



## **Sample Data**

		imple D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name:12 Inch 4-Way Riser RowProject Number:23003-0002Project Manager:Ashley Giovengo						<b>Reported:</b> 10/1/2024 2:59:28PM
Dallas TX, 75240	Project Manag	er: Asn	ley Glover			10/1/2024 2:59:28PM	
		FS98 -2'					
		E409226-27					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439068
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
o,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Total Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		97.4 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2439068
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		97.4 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2439075
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/30/24	
Surrogate: n-Nonane		114 %	50-200		09/25/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2439085
Chloride	32.3	20.0		1	09/26/24	09/26/24	



## Sample Data

	56	ample D	uu				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2300	<b>Reported:</b> 10/1/2024 2:59:28PM				
	, ,						
		FS99 -2' E409226-28					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2439068
Benzene	ND	0.0250		1	09/25/24	09/29/24	
Ethylbenzene	ND	0.0250		1	09/25/24	09/29/24	
Toluene	ND	0.0250		1	09/25/24	09/29/24	
p-Xylene	ND	0.0250		1	09/25/24	09/29/24	
p,m-Xylene	ND	0.0500		1	09/25/24	09/29/24	
Fotal Xylenes	ND	0.0250		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		96.3 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	ng/kg Analys		BA		Batch: 2439068
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/25/24	09/29/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		09/25/24	09/29/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/25/24	09/29/24	
Surrogate: Toluene-d8		96.3 %	70-130		09/25/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2439075
Diesel Range Organics (C10-C28)	ND	25.0		1	09/25/24	09/30/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/25/24	09/30/24	
Surrogate: n-Nonane		109 %	50-200		09/25/24	09/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2439085
Chloride	111	20.0		1	09/26/24	09/26/24	



# **QC Summary Data**

Matador Resources, LLC.		Project Name:	12	Inch 4-Way I	Riser Row				
5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		003-0002	XISCI IXUW				Reported:
-		•							
Dallas TX, 75240		Project Manager:	As	shley Gioveng	30				10/1/2024 2:59:28PM
	V	olatile Organic	Compo	unds by EF	PA 8260B				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 (2439064-BLK1)						Р	repared: 0	9/25/24 Ai	nalyzed: 09/29/24
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	0.464		0.500		92.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			
LCS (2439064-BS1)						Р	repared: 09	9/25/24 Ai	nalyzed: 09/29/24
Benzene	2.23	0.0250	2.50		89.4	70-130			
Ethylbenzene	2.31	0.0250	2.50		92.3	70-130			
Toluene	2.31	0.0250	2.50		92.4	70-130			
o-Xylene	2.21	0.0250	2.50		88.2	70-130			
p,m-Xylene	4.44	0.0500	5.00		88.7	70-130			
Total Xylenes	6.64	0.0250	7.50		88.5	70-130			
Surrogate: Bromofluorobenzene	0.469		0.500		93.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			
LCS Dup (2439064-BSD1)						Р	repared: 0	9/25/24 Ai	nalyzed: 09/29/24
Benzene	2.26	0.0250	2.50		90.4	70-130	1.11	23	
Ethylbenzene	2.36	0.0250	2.50		94.3	70-130	2.08	27	
Toluene	2.35	0.0250	2.50		94.1	70-130	1.80	24	
p-Xylene	2.26	0.0250	2.50		90.3	70-130	2.37	27	
p,m-Xylene	4.51	0.0500	5.00		90.2	70-130	1.67	27	
Total Xylenes	6.77	0.0250	7.50		90.2	70-130	1.90	27	
Surrogate: Bromofluorobenzene	0.470		0.500		94.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			



# **QC Summary Data**

Matador Resources, LLC.		Project Name:	12	Inch 4-Way I	Riser Row				D ( )
5400 LBJ Freeway, Suite 1500		Project Number:		003-0002					Reported:
-		•							10/1/2024 2 50 2000
Dallas TX, 75240		Project Manager:	As	shley Gioveng	<u>;</u> 0				10/1/2024 2:59:28PM
	V	olatile Organic	Compo	unds by EF	PA 8260B				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 (2439068-BLK1)						Ι	Prepared: 09	9/25/24 Ai	nalyzed: 09/29/24
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	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			
LCS (2439068-BS1)						I	Prepared: 09	9/25/24 A	nalyzed: 09/29/24
Benzene	2.33	0.0250	2.50		93.3	70-130			
Ethylbenzene	2.39	0.0250	2.50		95.5	70-130			
Toluene	2.41	0.0250	2.50		96.2	70-130			
p-Xylene	2.44	0.0250	2.50		97.7	70-130			
p,m-Xylene	4.84	0.0500	5.00		96.8	70-130			
Total Xylenes	7.28	0.0250	7.50		97.1	70-130			
Surrogate: Bromofluorobenzene	0.474		0.500		94.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.3	70-130			
LCS Dup (2439068-BSD1)						F	Prepared: 0	9/25/24 A	nalyzed: 09/29/24
Benzene	2.42	0.0250	2.50		96.7	70-130	3.66	23	
Ethylbenzene	2.45	0.0250	2.50		97.8	70-130	2.40	27	
Toluene	2.44	0.0250	2.50		97.7	70-130	1.59	24	
o-Xylene	2.43	0.0250	2.50		97.1	70-130	0.575	27	
p,m-Xylene	4.82	0.0500	5.00		96.3	70-130	0.507	27	
Total Xylenes	7.24	0.0250	7.50		96.6	70-130	0.530	27	
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130			



# **QC Summary Data**

		QU D	umm	ary Date					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	2 Inch 4-Way 1 23003-0002 Ashley Gioveng					<b>Reported:</b> 10/1/2024 2:59:28PM
Dallas IA, 75240	N	, ,			-	<b>D</b> O			10/1/2024 2.39.201 W
	No	nhalogenated (	Organics	s by EPA 80.	15D - G	KÜ			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 (2439064-BLK1)							Prepared: 0	9/25/24 A	nalyzed: 09/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.464		0.500		92.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			
LCS (2439064-BS2)							Prepared: 0	9/25/24 A	nalyzed: 09/29/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: Bromofluorobenzene	0.471		0.500		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS Dup (2439064-BSD2)							Prepared: 0	9/25/24 A	nalyzed: 09/29/24
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.4	70-130	1.83	20	
Surrogate: Bromofluorobenzene	0.473		0.500		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



# **QC Summary Data**

		QC D	umm	ary Date	u .				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		12 Inch 4-Way I 23003-0002 Ashley Gioveng					<b>Reported:</b> 10/1/2024 2:59:28PM
	No	nhalogenated C		Analyst: BA					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2439068-BLK1)							Prepared: 0	9/25/24 A	nalyzed: 09/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			
LCS (2439068-BS2)							Prepared: 0	9/25/24 A	nalyzed: 09/29/24
Gasoline Range Organics (C6-C10)	40.6	20.0	50.0		81.2	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			
LCS Dup (2439068-BSD2)							Prepared: 0	9/25/24 A	nalyzed: 09/29/24
Gasoline Range Organics (C6-C10)	39.8	20.0	50.0		79.6	70-130	1.99	20	
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500		103	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			



# **QC Summary Data**

		QU DI	u 111111		•					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	ź	12 Inch 4-Way F 23003-0002 Ashley Gioveng					<b>Reported:</b> 10/1/2024 2:59:28PM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO Ana									
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2439074-BLK1)							Prepared: 0	9/25/24 A	Analyzed: 09/30/24	
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0								
Surrogate: n-Nonane	52.2		50.0		104	50-200				
LCS (2439074-BS1)							Prepared: 0	9/25/24 A	Analyzed: 09/30/24	
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132				
Surrogate: n-Nonane	55.1		50.0		110	50-200				
Matrix Spike (2439074-MS1)				Source:	E409226-	02	Prepared: 0	9/25/24 A	Analyzed: 09/30/24	
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132				
Surrogate: n-Nonane	52.0		50.0		104	50-200				
Matrix Spike Dup (2439074-MSD1)				Source:	E409226-	02	Prepared: 0	9/25/24 A	Analyzed: 09/30/24	
Diesel Range Organics (C10-C28)	303	25.0	250	ND	121	38-132	2.80	20		
Surrogate: n-Nonane	56.6		50.0		113	50-200				


### *Received by OCD: 10/11/2024 3:17:47 PM*

## **QC Summary Data**

		QC D	u 111111		•				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	ź	12 Inch 4-Way F 23003-0002 Ashley Gioveng					<b>Reported:</b> 10/1/2024 2:59:28PM
	Nonh	alogenated Org		, 0		/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 (2439075-BLK1)							Prepared: 0	9/25/24 A	Analyzed: 09/29/24
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	57.0		50.0		114	50-200			
LCS (2439075-BS1)							Prepared: 0	9/25/24 A	Analyzed: 09/29/24
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	57.2		50.0		114	50-200			
Matrix Spike (2439075-MS1)				Source:	E409221-	01	Prepared: 0	9/25/24 A	Analyzed: 09/29/24
Diesel Range Organics (C10-C28)	341	25.0	250	82.1	103	38-132			
Surrogate: n-Nonane	57.3		50.0		115	50-200			
Matrix Spike Dup (2439075-MSD1)				Source:	E409221-	01	Prepared: 0	9/25/24 A	Analyzed: 09/29/24
Diesel Range Organics (C10-C28)	331	25.0	250	82.1	99.4	38-132	2.95	20	
Surrogate: n-Nonane	58.4		50.0		117	50-200			



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### *Received by OCD: 10/11/2024 3:17:47 PM*

## **QC Summary Data**

			•	<i>J</i> – …					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		12 Inch 4-Way 23003-0002 Ashley Gioveng					<b>Reported:</b> 10/1/2024 2:59:28P
		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 (2439085-BLK1)							Prepared: 0	9/26/24 <i>I</i>	Analyzed: 09/26/24
Chloride	ND	20.0							
LCS (2439085-BS1)							Prepared: 0	9/26/24 A	Analyzed: 09/26/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2439085-MS1)				Source:	E409226-2	26	Prepared: 0	9/26/24 A	Analyzed: 09/26/24
Chloride	313	20.0	250	53.1	104	80-120			
Matrix Spike Dup (2439085-MSD1)				Source:	E409226-2	26	Prepared: 0	9/26/24 A	Analyzed: 09/26/24
Chloride	312	20.0	250	53.1	104	80-120	0.221	20	



.

### *Received by OCD: 10/11/2024 3:17:47 PM*

### **QC Summary Data**

			•						
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:		12 Inch 4-Way l 23003-0002 Ashley Gioveng					<b>Reported:</b> 10/1/2024 2:59:28PM
		Anions	by EPA	300.0/9056A	•				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 (2439088-BLK1)							Prepared: 0	9/26/24 /	Analyzed: 09/26/24
Chloride	ND	20.0							
LCS (2439088-BS1)							Prepared: 0	9/26/24	Analyzed: 09/26/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2439088-MS1)				Source:	E409226-0	)4	Prepared: 0	9/26/24	Analyzed: 09/26/24
Chloride	331	20.0	250	70.9	104	80-120			
Matrix Spike Dup (2439088-MSD1)				Source:	E409226-0	)4	Prepared: 0	9/26/24	Analyzed: 09/26/24
Chloride	330	20.0	250	70.9	104	80-120	0.323	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:	12 Inch 4-Way Riser Row	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/01/24 14:59

- 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**

oli tufoti	Invoice Information				10	hlle	e Onl	N				TAT	State
Client Information	Company: Ensolum LLC	-	Lab	hWOH					ber	-		D 3D Std	
lient: Matador Production Company roject: 12" 4-Way Riser ROW	Address: 3122 National Parks Hw	v	- FU	WO#	177	10	230	03.	DOD	2	10 2	x	x
roject Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 882	To Man		10	100					- 1		14	
ddress: 3122 National Parks Hwy	Phone: 575-988-0055						Anal	ysis	and I	Meth	nod		EPA Program
ity, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.con	n		1									SDWA CWA RCRA
hone: 575-988-0055	Miscellaneous:												
mail: agiovengo@ensolum.com				8015	015								Compliance Y or N PWSID #
Comple I	nformation			by 8	by 8	021	560	0.008	Σ	XL-	etals		PWSID#
	nformation		Lab	/ORO	/DRO	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		Remarks
Time Date Sampled Matrix Containers	Sample ID	Fiel	Lab Number	DRO/ORO by 8	GRO/DRO by 8015	втех	VOC	Chloi	BGD	TCEQ	RCR/		
013 9/23/2024 Soil 1 F57	1 - 0.5'		l						X				
	1'		2						V				
				-		-	-	-	A	-			
1022 9/13/24 Soil 1 F580	a ~ ('		3						X				
		1	4						V				
1024 9/23/24 Soil 1 F587	-1		1						X				
	71		5						X				
5955 9123/24 Soil 1 15103	)-6	-	1		-	-		_	N	-			
1003 9/23/24 Soil 1 FS73	-4'		6						X				
1008 9/23/24 5011 1 F595	-1'		7						χ				
0954 9123124 Soil 1 FS105-	- 2'		8						X				
0957 9/23/24 Soil 1 FS/04.	- 71		9						X				
1140 9/23/24 Soil 1 FS97			10	-					X				
		trollo @			m he	loal	Done	olum	N	a ch	amilto	n@encolu	m.com
dditional Instructions: Please CC: cburton@enso simmons@ensolum.com	ium.com, agiovengo@ensoium.com, ies	strena@	ensolu	um.co	m, bu	Jeal	wens	oluli	1.001	i, cii	annico	meensolu	in.com,
(field sampler), attest to the validity and authenticity of this sample. 1 a	m aware that tampering with or intentionally mislabelin	ng the sam	ple locatio	ion, date	or time	e of co	llection	n is cor	nsidere	d frau	d and m	ay be grounds fo	or legal action.
ampled by:Brandon Deal		1-		1=		_	-	-	Contrat		da a di s	and proce-mails	must be received on tes the day they are
elinquished by: (Signature) Date 11/24/24	):15 Received by: (Signature) ):15 Michelle Gonzale	g 9-	24:24	Time	05				sample		ceived pa		nust be received on ice the day they are nyg temp above 0 but less than 6 °C on
elinguished by: (Signature) Date Time	Received by: (Signature)	Date		Time	-				SUBSER	inent of	195	0	Jse Only
Michelle Gonzales 9-24:24 1	602 Cambon Bran	_	14/24	_	730	)			Rece	eived	on ice	e: ()/	N
elinquished by: (Signature) Date Time	30 Certification	Date	5.24	Time	10				-			TO	72
correction of agent of card	V	Date	5.41	Time		-			11	-		_ 12	<u> </u>
elinquished by: (Signature) Date Time	Received by. (Signature)	Dute						1	AVG	Tem	2° qr	4	
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												ss, v - VOA	
lote: Samples are discarded 14 days after results are reported u	inless other arrangements are made. Hazardous s	amples v	vill be ret	eturned	to clie	ent or	dispos	sed of	at the	e clien	t exper	nse. The repor	t for the analysis of the above
amples is applicable only to those samples received by the labo	oratory with this COC. The liability of the laborato	ry is limit	ed to the	e amou	nt paid	dtor	on the	repor	τ.	-			

### **Chain of Custody**

Client: Marador Production Company.         Internation Life and Production Company.         ID 2D 30 Std         NM (0 UT IX (0 U	Client Information	Invoice Information				La	b Us	e On	ly		1	TA	r	State	
Croject. 12" - 4 Way Riser ROW       Complexity Management Row       EPA Program         Chros. 512 - 21.000 Min. 2007       Chros. 512 - 21.000 Min. 88220       Phone: 575-988-0055       Simple Information         Timel: aglover.nog@ensolum.com       Mark       Sample Information       Sample Information         Timel: aglover.nog@ensolum.com       Mark       Sample Information       Sample ID       Imal: aglover.nog@ensolum.com         112.9       4/23/24       50.1       I       F5/00 - 1'       1/1       Imal: aglover.nog@ensolum.com         113.1       4/123/14       50.1       I       F5/00 - 1'       1/2       X       Imal: aglover.nog@ensolum.com         113.1       4/123/14       50.1       I       F5/00 - 1'       1/2       X       Imal: aglover.nog@ensolum.com         113.1       4/123/14       50.1       I       F5/02 - 1'       1/2       X       Imal: aglover.nog@ensolum.com         113.1       4/123/14       50.1       I       F5/02 - 1'       1/2       X       Imal: aglover.nog@ensolum.com         112.9       1/23/14       50.1       I       F5/02 - 1'       1/2       X       Imal: aglover.nog@ensolum.com         112.1       1/23/14       50.1       I       F5/02 - 1'       1/2       X		Company: Ensolum LLC		La	b WO	#		lob	Jumb	ber	-	1D 2D	3D Std	NM CO UT TX	
Address: 3122 National Parks Hwy       Charles MM, 83200         Prone:: 575-988-0055         Email: agiovengo@ensolum.com         Miscellaneous:         Sample Information         Note: Sample Information         Note: Sample Information         Intel Sample Information			1.00	E	40	122	6	23	<u>203</u>	. 600	6		x	x	
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $			1	-										SDWA CWA KCRA	
Sample         Sample Information         Image: Sample Information <td></td> <td>Iviscenarieous.</td> <td></td> <td></td> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Compliance Y or N</td>		Iviscenarieous.			10									Compliance Y or N	
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$\frac{1}{131} \frac{1}{123} \frac{1}{12}	Date Sampled   Matrix	Sample ID	Field	Lab Numb	er DRO/OF	GRO/DF	втех by	VOC by	Chloride	BGDOC	TCEQ 100	RCRA 8		Remarks	
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1100       1123/24       Soi(1       1       4581       -0.5         121(9       123/24       Soi(1       1       SW19       0-1'       160       X       1         121(9       123/24       Soi(1       SW19       0-1'       160       X       1       1         121(9       123/24       Soi(1       SW20       0-1'       17       16       X       1       1         1217       9/13/24       Soi(1       SW20       0-1'       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17 <td>11279/23/24 Soil 1 F571</td> <td>-1</td> <td></td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>χ</td> <td></td> <td></td> <td></td> <td></td>	11279/23/24 Soil 1 F571	-1		14						χ					
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1229       9/23/24       Soil       SW22 - 0-2'       19       X       III         1235       9/23/24       Soil       SW23 - 0-4'       Zo       X       IIII         Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, ossimmons@ensolum.com       Kiela 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.         ampled by:       Brandon Deal       Date       Date       Plat/24       Time         Netlinquished by:       Date       Time       Received by: (Signature)       Date       Time         Netlinquished by:       Date       Time       Received by: (Signature)       Date       Time       Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an arg temp above 0 but less than 6° c on subconstruction         Netlinquished by:       Date       Time       Received by: (Signature)       Date       Time       Lab Use Only         Netlinquished by:       Signature),       Date       Time       Norther data       Time       Tim				17						X					
1235       9/123/14       5011       SW23 - 0-4'       Zo       X         Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, osimmons@ensolum.com       X       X         Osimmons@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.         Impled by:       Brandon Deal       Date       Time       Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subconnent day.         Relinquished by:       Date       Time       Time       Lab Use Only.         Relinquished by:       Date       Time       Time       Lab Use Only.         Relinquished by:       Date       Time       Time       Time       Time         Muther       Muther       Date       Time       Time       Time       Time         Muther       Date       Time       Date       Time       Time       Time         Muther       Date       Time       Date       Time       Time       Time         Muther       Date       Time       Date       Time															
Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, osimmons@ensolum.com         Opsimmons@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.         ampled by:       Brandon Deal       D       Image and the sample of the sample of the sample of the sample of collection is considered fraud and may be grounds for legal action.         ampled by:       Brandon Deal       D       Image and the sample of the sample of the sample of the sample of collection is considered fraud and may be grounds for legal action.         ampled by:       Date       Time       Received by:       Signature)       Date       Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °c on subsequent days.         elinquished by:       Date       Time       Received by:       Date       Time       Lab Use Only         elinquished by:       Date       Time       Date       Time       Date       Time       Time </td <td>12299/23/24 Soil 1 SW22</td> <td>- 0-2'</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>χ</td> <td>_</td> <td></td> <td></td> <td></td>	12299/23/24 Soil 1 SW22	- 0-2'		1						χ	_				
Desimmons@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.         tampled by:Brandon Deal       Date       9/24/24         Relinquished by: (Signature)       Date       Time       Received by: (Signature)       Date       Time         Additional construction       Date       Time       Received by: (Signature)       Date       Time       Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on unbecoment days.         Relinquished by: (Signature)       Date       Time       Image: Time       Lab Use Only         Relinquished by: (Signature),       Date       Time       Received by: (Signature)       Date       Time         Muther down down down down down down down down										X					
(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.         ampled by:Brandon Deal		lum.com, agiovengo@ensolum.com, ies	trella	@enso	lum.co	m, b	deal(	@ens	olum	n.com	ı, cha	milton@	ensolum	.com,	
ampled by: _Brandon Deal       9/14/14         elinquished by: (Signature)       Date       Time       Received by: (Signature)       Date       Time       Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent davs         elinquished by: (Signature)       Date       Time       Received by: (Signature)       Date       Time       Lab Use Only         elinquished by: (Signature)       Date       Time       9/21/24       I 730       Lab Use Only       Received by: (Signature)       Date       Time       Lab Use Only         elinquished by: (Signature)       Date       Time       9/25/24       GO 30       Dute Mark Mark Mark Mark Mark Mark Mark Mark		m aware that tampering with or intentionally mislabelin	g the sa	mple loca	tion, date	e or tim	e of co	lection	n is con	nsidere	d fraud	and may be	grounds for	legal action.	
International state       Date       Time       Received by: (Signature)       Date       Time       Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°c on subsequent days         Imput for the sample or received packed in ice at an avg temp above 0 but less than 6°c on subsequent days       Date       Time       Imput for the sample or received packed in ice at an avg temp above 0 but less than 6°c on subsequent days         International state       Date       Time       Received by: (Signature)       Date       Time         International state       Date       Time       Received by: (Signature)       Date       Time         International state       Date       Time       Received by: (Signature)       Date       Time         International state       Date       Time       Received by: (Signature)       Date       Time         International state       Mark       Mark       Mark       Mark       Mark       Mark         International state       Mark       Mark       Mark       Mark       Mark       Mark       Mark         International state       Mark	ampled by: Brandon Deal 20 9/24/24											_			
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Camber Briggs 9/25/24 0030 auth Man 9.15.24 8.10 T1 T2 T3			9/1		17	30				Rece	ived	on ice:	0		
Relinquished by: (Signature) Date Time Received by: (Signature) Date Time 4	Relinquished by: (Signature), Date Time									TA			T-2	T2	
									1	11		-0	5	13	
AVG Temp °C	eniquished by: (Signature) - Date Time	Received by. (Signature)	Dute			-				AVG	Tem	o°c T			
ample Matrix: S - Soil Sd - Solid Sg - Sludge A - Aqueous O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			( 1) ( ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (						olasti	c, ag -	amb	er glass, v	- VOA		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											client	expense. T	he report f	for the analysis of the above	

### **Chain of Custody**

	Client Information	Invoice Information				La	ab Us	e On	ly				TAT		State
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	ient: Matador Production Company	Company: Ensolum LLC		La	ab WO#	ŧ		Job	Num	ber	_	1D	2D 3D Sto	A N	IM CO UT TX
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	233 9/23/24 So:1 1 SW24	- 0-4'								χ					
$\frac{1}{1234} \frac{1}{12344} \frac{1}{5614} \frac{1}{16} \frac{1}{162344} \frac{1}{1602} \frac{1}{160$					-					X		_			
1345       9/13       14       501       F574-4'       25       X       1         1345       9/13       14       501       F574-4'       25       X       1         1345       9/13       14       501       F574-4'       25       X       1         1345       9/13       14       501       F574-2'       24       X       1         1430       9/13       14       F593-1'       24       X       1       1         1430       9/13       14       501       F594-2'       27       X       1       1         1430       9/13       14       501       14       F599-72'       28       X       1       1         Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, sistimons@ensolum.com       1       1       1       1       1         simmons@ensolum.com       11       F599-72'       Z8       X       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <				53	5					χ				-	
1341       9/23/24       Soil       F593 - 1'       Z4         1343       9/23/24       Soil       F593 - 1'       Z4         1430       9/23/24       Soil       F596 - Z'       Z7       X         1430       9/23/24       Soil       F599 - Z'       Z7       X       I         1431       9/23/24       Soil       F599 - Z'       Z8       X       I         1431       9/23/24       Soil       F599 - Z'       Z8       X       I         Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, sosimmons@ensolum.com       X       I         Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, sosimmons@ensolum.com       X       I         Ifield sampler), attest to the validity and authenticity of this sample. I an 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.         ampled by:       Earnadon Deal       IIIIII       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1238 9/23/24 Soil 1 F583 -	- 1.5'		-						χ					
1430       9/13/144       5011       FS 9/6 - 2'       27       X       1         1430       9/13/144       5011       FS 9/6 - 2'       27       X       1         1431       9/13/144       5011       FS 9/6 - 2'       28       X       1         1431       9/13/144       5011       FS 9/6 - 2'       28       X       1         1431       9/13/144       5011       FS 9/9 - 2'       Z8       X       1         Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, com, com, chamilton@ensolum.com, com, chamilton@ensolum.com, com, com, com, com, com, com, com,	13459/23/24 5011 1 F574-	Ч'	1		-		-			X				-	
1431       1/13/14       5011       1       F599-7.1       Z8       X       1         Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, ossimmons@ensolum.com       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       1       1       1       1										X				-	
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Desimmons@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.         tampled by:Brandon Deal         Relinquished by: (Signature)         Date       Time         0/24/24       IO:15         Received by: (Signature)       Date         Date       Time         0/24/24       IO:02         Camede by: (Signature)       Date         Date       Time         Bate       Time         Lab Use Only       Lab Use Only         Received on ice:       (Y) N	14319/23/24 Soil 1 F599-7	2,1		85						X					
Desimmons@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.         ampled by:Brandon Deal         telinquished by: (Signature)         01/24/124       Time         10:15       Received by: (Signature)         0ate       Time         01/24/124       Time         10:15       Received by: (Signature)         0ate       Time         0ate <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></td<>														-	
Desimmons@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.         ampled by:Brandon Deal         telinquished by: (Signature)         01/24/124       10:15         01/24/124       10:15         02:15       Received by: (Signature)         02:16       Date         01/24/124       10:15         02:17       Time         02:18       Received by: (Signature)         02:19       Date         02:19       Date         02:19       Time         02:19       Date															
(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.         ampled by:Brandon Deal		n.com, agiovengo@ensolum.com, les	trella	wenso	ium.co	m, bi	deal(	wens	solun	n.con	п, сп	amin	on@ensolu	m.com	
elinquished by: (Signature)		ware that tampering with or intentionally mislabelin	ng the sar	mple loca	tion, date	e or tim	e of co	lection	n is co	nsidere	ed frau	d and r	nay be grounds f	or legal ac	tion.
Alinquished by: (Signature) Date 11002 Received by: (Signature) Date 1100 Received on ice: (Y) N	elinquished by: (Signature) Date Time	Received by: (Signature)	Date		Time										
Wichelle Gonzares 9-2929 1602 Candes Briggs 9/24/24 1730 Received on ice: (Y) N	1/24/24 10.	1) Volucielle Gonzale	8 40 Date	24.24	Time		2								
	Michelle Clanzones 4-2929 16	02 Camber Briggs	9/2		Y 17					Rece	eivec	l on i	0		Ŷ
auden Briggs 125/24 036 Received by: (Signature) Date 11 II			, Date	7.15.	24 8	10				T1			T2		Т3
elinquished by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C 4			Date	iwc	Time					AVG	Ten	on °C	4		
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			Contraction of the			-				c, ag	- amb	per gl			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	ote: Samples are discarded 14 days after results are reported unle	ess other arrangements are made. Hazardous s	amples	will be r	returned	to clie	ent or	dispos	sed of	f at the	e clier	nt expe	ense. The report	rt for the	analysis of the above



### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Matador Resources, LLC. Da	te Received:	09/25/24	08:10	Work Order ID:	E409226
Phone:	(972) 371-5200 Da	te Logged In:	09/24/24	15:12	Logged In By:	Caitlin Mars
Email:		ie Date:		17:00 (4 day TAT)		
Chain o	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 th	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	<u>Turn Around Time (TAT)</u>					
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	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 ten	moratura: 1º	C			
		iperature. <u>4</u>	<u>c</u>			
-	Container aqueous VOC samples present?		NT			
	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		concetted.	105			
	e field sample labels filled out with the minimum information of the minimu	ation				
	Sample ID?		Yes			
J	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation					
	s the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?	1.0	NA			
	b filteration required and/or requested for dissolved meta	18?	No			
-	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
27. If ye	s, does the COC specify which phase(s) is to be analyzed	1?	NA			
Subcont	tract Laboratory					
28. Are	samples required to get sent to a subcontract laboratory?		No			

Date



envirotech Inc.

Released to Imaging: 10/30/2024 3:59:26 PM

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# APPENDIX E

NMSLO Cultural Resources Cover Sheet

Released to Imaging: 10/30/2024 3:59:26 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











Released to Imaging: 10/30/2024 3:59:26 PM

# NMOCD Correspondence

## APPENDIX F

ENSOLUM



From:	Rodgers, Scott, EMNRD
То:	Ashley Giovengo; jason.touchet@matadorresources.com; arsenio.jones@matadorresources.com; Clinton Talley
Cc:	Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] Extension Request - Matador - 12" 4-Way Riser ROW - Incident Number nAPP2412354447
Date:	Wednesday, July 31, 2024 2:20:41 PM
Attachments:	image006.png
	image007.png
	image008.png

### [ **EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to October 29, 2024 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you.

Regards, Scott

Scott Rodgers • Environmental Specialist – Adv. Environmental Bureau EMNRD - Oil Conservation Division 8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113 505.469.1830 | <u>scott.rodgers@emnrd.nm.gov</u> http://www.emnrd.nm.gov/ocd_



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, July 31, 2024 2:13 PM

To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Matador - 12" 4-Way Riser ROW - Incident Number nAPP2412354447

From: Ashley Giovengo <agiovengo@ensolum.com</p>
Sent: Wednesday, July 31, 2024 2:00 PM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>
; Wells, Shelly, EMNRD
<<u>Shelly.Wells@emnrd.nm.gov</u>
Cc: Jason Touchet <<u>jason.touchet@matadorresources.com</u>
; Arsenio Jones
<arsenio.jones@matadorresources.com</p>
; clinton.talley@matadorresources.com
Subject: [EXTERNAL] Extension Request - Matador - 12" 4-Way Riser ROW - Incident Number nAPP2412354447

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

Matador Production Company (Matador) is requesting an extension for the current deadline of July 31, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the 12" 4-Way Riser ROW Incident Number nAPP2412354447). The release occurred on May 02, 2024, and lateral delineation and vertical delineation sampling to the strictest criteria per NMOCD Table I has been completed at the Site. The release impacted an off-pad area approximately 10, 762 square feet in size on State Trust Land. A Right-of-Entry (ROE) Permit has been submitted to the State Land Office and Beaver Creek Archaeology (Beaver Creek) has been contracted to conduct an ARMS review in accordance with the CPP rule. Once Matador has received an approved ROE permit from State Land, and Beaver Creek has determined that a survey is not required, a sub-contractor will be selected, and remediation/reclamation activities will begin. Matador intends to submit a remediation work plan or closure report after receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until October 29, 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:	Velez, Nelson, EMNRD
То:	Ashley Giovengo
Cc:	<u>Chad Hamilton; Cole Burton; jason.touchet@matadorresources.com; arsenio.jones@matadorresources.com;</u> Bratcher, Michael, EMNRD
Subject:	Re: [EXTERNAL] Extension Request - Matador - 12" 4-Way Riser ROW - Incident Number nAPP2413036737
Date:	Wednesday, August 7, 2024 2:31:29 PM
Attachments:	image001.png image002.png image003.png Outlook-ipgwxgov.png

### [ **EXTERNAL EMAIL**]

Good afternoon Ashley,

Thank you for the correspondence. Your time extension request is approved. Remediation Due date has been updated to November 4, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd_



From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Wednesday, August 7, 2024 2:15 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: Chad Hamilton <chamilton@ensolum.com>; Cole Burton <cburton@ensolum.com>

**Subject:** [EXTERNAL] Extension Request - Matador - 12" 4-Way Riser ROW - Incident Number nAPP2413036737

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

Matador Production Company (Matador) is requesting an extension for the current deadline of August 06, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the 12" 4-Way Riser ROW (Site) (Incident Number nAPP2413036737). The release occurred on May 08, 2024, and lateral delineation and vertical delineation sampling to the strictest criteria per NMOCD Table I has been completed at the Site. The release impacted an off-pad area approximately 16,000 square feet in size on State Trust Land. A Right-of-Entry (ROE) Permit has been submitted to the State Land Office and Beaver Creek Archaeology (Beaver Creek) has been contracted to conduct an ARMS review in accordance with the CPP rule. Once Matador has received an approved ROE permit from State Land, and Beaver Creek has determined that a survey is not required, a sub-contractor will be selected, and remediation/reclamation activities will begin. Matador intends to submit a remediation work plan or closure report after receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until November 04, 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

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

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QUESTIONS

Action 381738

Operator: OGRID: MATADOR PRODUCTION COMPANY 228937 One Lincoln Centre Action Number: Dallas, TX 75240 381738 Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2413036737
Incident Name	NAPP2413036737 12" 4- WAY RISER ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source							
Site Name	12" 4- WAY RISER ROW						
Date Release Discovered	05/08/2024						
Surface Owner	State						

Sampling Event General Information
Please answer all the questions in this group

Please answer all the questions in this group.		
What is the sampling surface area in square feet	26,762	
What is the estimated number of samples that will be gathered	151	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/16/2024	
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	32.42785, -103.60404	

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	381738
	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.	9/9/2024

CONDITIONS

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

District III

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

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

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

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QUESTIONS

Action 381753

QUESTIONS	
Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	381753
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2413036737
Incident Name	NAPP2413036737 12" 4- WAY RISER ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

#### Location of Release Source Site Name 12" 4- WAY RISER ROW Date Release Discovered 05/08/2024 Surface Owner State

Sampling	Event	General	Information	

Please answer all the questions in this group.		
What is the sampling surface area in square feet	26,762	
What is the estimated number of samples that will be gathered	151	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/17/2024	
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	32.42785, -103.60404	

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	381753
	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.	9/9/2024

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

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QUESTIONS

Action 381760

Operator: OGRID: MATADOR PRODUCTION COMPANY 228937 One Lincoln Centre Action Number: Dallas, TX 75240 381760 Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2413036737
Incident Name	NAPP2413036737 12" 4- WAY RISER ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	12" 4- WAY RISER ROW
Date Release Discovered	05/08/2024
Surface Owner	State

Sampling Event G	eneral Information
------------------	--------------------

Please answer all the questions in this group.			
What is the sampling surface area in square feet	26,762		
What is the estimated number of samples that will be gathered	151		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/18/2024		
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	32.42785, -103.60404		

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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	381760
	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.	9/9/2024

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

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QUESTIONS

Action 381769

Op	erator:	OGRID:
	MATADOR PRODUCTION COMPANY	228937
	One Lincoln Centre	Action Number:
	Dallas, TX 75240	381769
		Action Type:
		[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2413036737	
Incident Name	NAPP2413036737 12" 4- WAY RISER ROW @ 0	
Incident Type	Produced Water Release	
Incident Status	Initial C-141 Approved	

Location of Release Source		
Site Name	12" 4- WAY RISER ROW	
Date Release Discovered	05/08/2024	
Surface Owner	State	

Sampling Ev	vent General	Information
Samping Ev	Venit General	intornation

Please answer all the questions in this group.			
What is the sampling surface area in square feet	26,762		
What is the estimated number of samples that will be gathered	151		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/19/2024		
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	32.42785, -103.60404		

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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	381769
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS			
Create	ed By	Condition	Condition Date
j_tou	ichet	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.	9/9/2024

CONDITIONS

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

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QUESTIONS

Action 381773

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	381773
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2413036737
Incident Name	NAPP2413036737 12" 4- WAY RISER ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	12" 4- WAY RISER ROW
Date Release Discovered	05/08/2024
Surface Owner	State

Sampling Event General Inform	ation	
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Please answer all the questions in this group.	
What is the sampling surface area in square feet	26,762
What is the estimated number of samples that will be gathered	151
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/20/2024
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	32.42785, -103.60404

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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	381773
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS	3	
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.	9/9/2024

CONDITIONS

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

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QUESTIONS

Action 381726

Operator: OGRID: MATADOR PRODUCTION COMPANY 228937 One Lincoln Centre Action Number: Dallas, TX 75240 381726 Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2413036737
Incident Name	NAPP2413036737 12" 4- WAY RISER ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	12" 4- WAY RISER ROW
Date Release Discovered	05/08/2024
Surface Owner	State

Sampling I	Event	General	Information
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Please answer all the questions in this group.		
What is the sampling surface area in square feet	26,762	
What is the estimated number of samples that will be gathered	151	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/11/2024	
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	32.42785, -103.60404	

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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	381726
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS	3	
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.	9/9/2024

CONDITIONS

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

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QUESTIONS

Action 381727

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	381727
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

requisites	
Incident ID (n#)	nAPP2413036737
Incident Name	NAPP2413036737 12" 4- WAY RISER ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

### Location of Release Source

Site Name	12" 4- WAY RISER ROW
Date Release Discovered	05/08/2024
Surface Owner	State

#### Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	26,762	
What is the estimated number of samples that will be gathered	151	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2024	
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	32.42785, -103.60404	

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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	381727
	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.	9/9/2024

CONDITIONS

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

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QUESTIONS

Action 381729

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	381729
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

requisites	
Incident ID (n#)	nAPP2413036737
Incident Name	NAPP2413036737 12" 4- WAY RISER ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

	Location of Release Source		
	Site Name	12" 4- WAY RISER ROW	
	Date Release Discovered	05/08/2024	
	Surface Owner	State	

#### Sampling Event General Information

Please answer all the questions in this group.		
What is the sampling surface area in square feet	26,762	
What is the estimated number of samples that will be gathered	151	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/13/2024	
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	32.42785, -103.60404	

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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	381729
	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.	9/9/2024

CONDITIONS

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

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QUESTIONS

Action 385237

Operator	or:	OGRID:
	MATADOR PRODUCTION COMPANY	228937
	One Lincoln Centre	Action Number:
	Dallas, TX 75240	385237
		Action Type:
		[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2413036737
Incident Name	NAPP2413036737 12" 4- WAY RISER ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	12" 4- WAY RISER ROW
Date Release Discovered	05/08/2024
Surface Owner	State

#### Sampling Event General Information

Please answer all the questions in this group.			
What is the sampling surface area in square feet	26,762		
What is the estimated number of samples that will be gathered	151		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/23/2024		
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	32.42785, -103.60404		

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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	385237
	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.	9/19/2024

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

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QUESTIONS

Action 385240

Γ	Operator:	OGRID:
	MATADOR PRODUCTION COMPANY	228937
	One Lincoln Centre	Action Number:
	Dallas, TX 75240	385240
		Action Type:
		[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2413036737
Incident Name	NAPP2413036737 12" 4- WAY RISER ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

cation of Release Source	
Site Name	12" 4- WAY RISER ROW
Date Release Discovered	05/08/2024
Surface Owner	State

Sampling Event General Inform	ation	
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Please answer all the questions in this group.			
What is the sampling surface area in square feet	26,762		
What is the estimated number of samples that will be gathered	151		
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/24/2024		
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	32.42785, -103.60404		

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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	385240
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS		
Created By		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.	9/19/2024

Action 385240

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

QUESTIONS

Action 392086

QUESTIONS		
Operator:	OGRID:	
MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	392086	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2412354447
Incident Name	NAPP2412354447 12" 4- WAY RISER ROW @ 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	12" 4- WAY RISER ROW
Date Release Discovered	05/02/2024
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: Equipment Failure   Valve   Produced Water   Released: 54 BBL   Recovered: 15 BBL   Lost: 39 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)	Not answered.

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

QUESTIONS, Page 2

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

Action 392086

QUESTIONS (continued)	
Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	392086
	Action Type:

QUESTIONS

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

Initial Response The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The 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. In a second s	
	ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of	
to report and/or file certain release notifications and perform corrective actions for releated to a corrective actions for releated to a corrective actions have failed to a correct the OCD does not relieve the operator of liability should their operations have failed to a correct to correct to a correct to a correct to a correct to a correc	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 t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 10/11/2024	

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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

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QUESTIONS, Page 3

Action 392086

QUESTIONS (continued)	
	OGRID:

Operator:	OGRID:	
MATADOR PRODUCTION COMPANY	228937	
One Lincoln Centre	Action Number:	
Dallas, TX 75240	392086	
	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 an	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and 1/2 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	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

Please answer all the questions t	that apply or are indicated. This information must be provided t	to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	emonstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertic	al extents of contamination been fully delineated	Yes
Was this release entirely c	contained within a lined containment area	No
Soil Contamination Sampling	g: (Provide the highest observable value for each, in n	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	7720
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	7880
GRO+DRO	(EPA SW-846 Method 8015M)	5790
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11		0 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 which includes the anticipated tin	NMAC unless the site characterization report includes complet	
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w	NMAC unless the site characterization report includes complet melines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w On what date will (or did) t	NMAC unless the site characterization report includes complet melines for beginning and completing the remediation. ill the remediation commence	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was)	NMAC unless the site characterization report includes complet melines for beginning and completing the remediation. rill the remediation commence the final sampling or liner inspection occur	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 09/11/2024 09/24/2024
Per Subsection B of 19.15.29.11 which includes the anticipated tim On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf	NMAC unless the site characterization report includes complet melines for beginning and completing the remediation. rill the remediation commence the final sampling or liner inspection occur the remediation complete(d)	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 09/11/2024 09/24/2024 09/24/2024
Per Subsection B of 19.15.29.11 which includes the anticipated tim On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf What is the estimated volu	NMAC unless the site characterization report includes complet melines for beginning and completing the remediation. iill the remediation commence the final sampling or liner inspection occur the remediation complete(d) face area (in square feet) that will be reclaimed	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 09/11/2024 09/24/2024 09/24/2024 18872
Per Subsection B of 19.15.29.11 which includes the anticipated tim On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf What is the estimated volu What is the estimated surf	NMAC unless the site characterization report includes complet melines for beginning and completing the remediation. ill the remediation commence the final sampling or liner inspection occur the remediation complete(d) face area (in square feet) that will be reclaimed ime (in cubic yards) that will be reclaimed	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM/           09/11/2024           09/24/2024           09/24/2024           18872           2331

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 392086

QUESTIONS (continued)	
Operator: MATADOR PRODUCTION COMPANY	OGRID: 228937
One Lincoln Centre Dallas, TX 75240	Action Number: 392086
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate	e / 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.
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lealand
(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	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC

which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 10/11/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in acco	ordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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Action 392086

QUESTIONS (continued)	
Operator: MATADOR PRODUCTION COMPANY	OGRID: 228937
One Lincoln Centre Dallas, TX 75240	Action Number: 392086
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

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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)

QUESTIONS, Page 6

Action 392086

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Operator: MATADOR PRODUCTION COMPANY	OGRID: 228937
One Lincoln Centre Dallas, TX 75240	Action Number: 392086
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Sampling Event Information	
Last sampling notification (C-141N) recorded	385236
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/24/2024
What was the (estimated) number of samples that were to be gathered	151
What was the sampling surface area in square feet	26762
Remediation Classes Research	
Remediation Closure Request Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	18872
What was the total volume (cubic yards) remediated	2331
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	18872
What was the total volume (in cubic yards) reclaimed	2331
Summarize any additional remediation activities not included by answers (above)	N/A
	losure requirements and any conditions or directives of the OCD. This demonstration should be in the form of notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ses 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 ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete.
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 10/11/2024

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

QUESTIONS, Page 7

Action 392086

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QUESTIONS (continued)	
Operator: MATADOR PRODUCTION COMPANY	OGRID: 228937
One Lincoln Centre Dallas, TX 75240	Action Number: 392086
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

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

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

CONDITIONS

Action 392086

 Operator:
 OGRID:

 MATADOR PRODUCTION COMPANY
 228937

 One Lincoln Centre
 Action Number:

 Dallas, TX 75240
 392086

 Action Type:
 [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

 CONDITIONS
 Condition
 Condition Date

 Scott.rodgers
 The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.
 Condition Date