ENSOLUM

June 25, 2025

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

Re: Closure Request Addendum
Dee Osborne 123 Well Pad
Incident Number nAPP2430949175
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request Addendum (CRA)* to document assessment, excavation, and soil sampling activities at the Dee Osborne 123 Well Pad (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following an equipment failure. A *Closure Request* was submitted to the New Mexico Oil Conservation Division on May 21, 2025. The NMOCD denied the request on the same day stating the following deficiencies:

> *Remediation closure denied for the following reasons: 1) Confirmation samples are required to be collected at surface throughout the off-pad overspray area to ensure that no contamination remains. 2) Under the Site Characterization portion of the C-141 application, update the minimum distance to the following upon resubmission: any other significant watercourse (1-5 miles N) and any playa lake (1000 ft-1/2 mile W).*

Based on additional field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *CRA*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2430949175.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 19, Township 21 South, Range 35 East, in Lea County, New Mexico (32.47069°, -103.40375°) and is associated with oil and gas exploration and production operations on private land.

On November 4, 2024, a pinhole developed in a choke body on the flowline resulting in the release of 13 barrels (bbls) of crude oil on pad and the adjacent pasture; no fluids were recovered. Matador submitted a Release Notification Form C-141 (C-141) on November 7, 2024. The Form C-141 can be referenced on the New Mexico Oil Conservation Division (NMOCD) Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 322824103253301, located approximately 1.3 miles west of the Site. The well had a reported depth to groundwater 101 feet below ground surface (bgs). There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a fresh water emergent wetland, located approximately 1,166 feet west 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 Hydrdrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On November 14, November 15, and December 6, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Preliminary soil samples SS01 through SS21 were collected at ground surface to assess the lateral extent of the release area. Fourteen boreholes (BH01 through BH14) were advanced within the release extent to assess the vertical extent of impacted soil; boreholes BH01 through BH07 were advanced to a depth of 1-foot bgs and boreholes BH08 through BH14 were advanced to a depth of 0.5 feet bgs.

The preliminary soil samples and boreholes were field screened for chloride and TPH utilizing Hatch® QuanTab® chloride test strips and a PetroFLAG® Soil Analyzer System, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographs from delineation and excavation activities can be referenced in the Photolog in Appendix B. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

The 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 and transported under strict chain-of-custody procedures to Envirotech Analysis 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-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on March 12, 2025, impacted soil was excavated from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a track hoe, front-end loader, backhoe, and belly dump trucks. To direct excavation activities, Ensolum personnel screened soil for chloride and TPH utilizing the processes described above.

Following the removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 400 square feet from the floor of the excavation. A confirmation sampling variance request was submitted on January 3, 2025, to increase the sampling area to every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation, where applicable. The confirmation sampling variance request was approved via email on January 3, 2025 (see Appendix E). The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS266) were collected from the floor of the excavation ranging in depth from 0.5 feet bgs to 2.5 feet bgs. Composite soil samples (SW01, SW02A, and SW03) Were collected from the excavation sidewalls ranging in depth from 0-1.5 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 106,042 square feet. A total of approximately 4,130 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land, LLC in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS21 indicated all COCs were all in compliance with the strictest Site Closure Criteria at ground surface. Laboratory analytical results for boreholes BH01 through BH07 indicated all COCs were in compliance with the Site Closure Criteria at 1-foot bgs. Laboratory analytical results for boreholes BH08 through BH14 indicated COCs were in compliance with the strictest Closure Criteria per NMOCD Table I at ground surface.

Laboratory analytical results for excavation floor soil samples (FS01 through FS266) indicated all COC concentrations were compliant with the Site Closure Criteria per NMOCD Table I at depths ranging from ground surface to 0.5 feet to 2.5 feet bgs. Laboratory analytical results for excavation sidewall soil samples (SW01, SW02A, and SW03) indicated all COC concentrations were compliant with the Site Closure Criteria per NMOCD Table I at depths ranging from ground surface to ground surface to 1.5 feet bgs. Laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included as Appendix D.

CONFIRMATION SOIL SAMPLING ACTIVITIES

Following the closure denial, Ensolum returned to the Site to collect confirmation samples within the overspray area. Beginning on May 28, 2025, confirmation sampling activities were conducted to evaluate the impacts in the off-pad portion of the release extent. One hundred thirty-six additional confirmation

soil samples (FS267 through FS402) were collected throughout the off-pad release extent at ground surface to assess the impacts within the overspray release area. The confirmation soil samples were field screened for TPH using a PetroFLAG® soil analyzer system and chloride using Hatch® QuanTab® chloride test strips. The release extent and confirmation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figures 3. Photographic documentation was collected, and a photographic log of the overspray area is included in Appendix C.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor soil samples FS267 through FS402 indicated all COC concentrations were compliant with the Site Closure Criteria per NMOCD Table I at ground surface, confirming the absence of impacts within the overspray release area. Laboratory analytical results are summarized in Tables 1, 2, and 3 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS21, collected at ground surface, and vertically by boreholes BH01 through BH03, BH06, and BH08 through BH14, collected at depths up to 1-foot bgs. Excavation of impacted soil was completed, and excavation floor samples FS01 through FS402, collected at depths ranging from ground surface to 2.5 feet bgs, and sidewall samples SW01 through SW03, collected from ground surface to 1.5 feet bgs, were all in compliance with the strictest Closure Criteria.

Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2430949175.

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

Sincerely,
Ensolum, LLC

Chad Hamilton
Project Geologist

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

cc: Jason Touchet, Matador

Appendices:

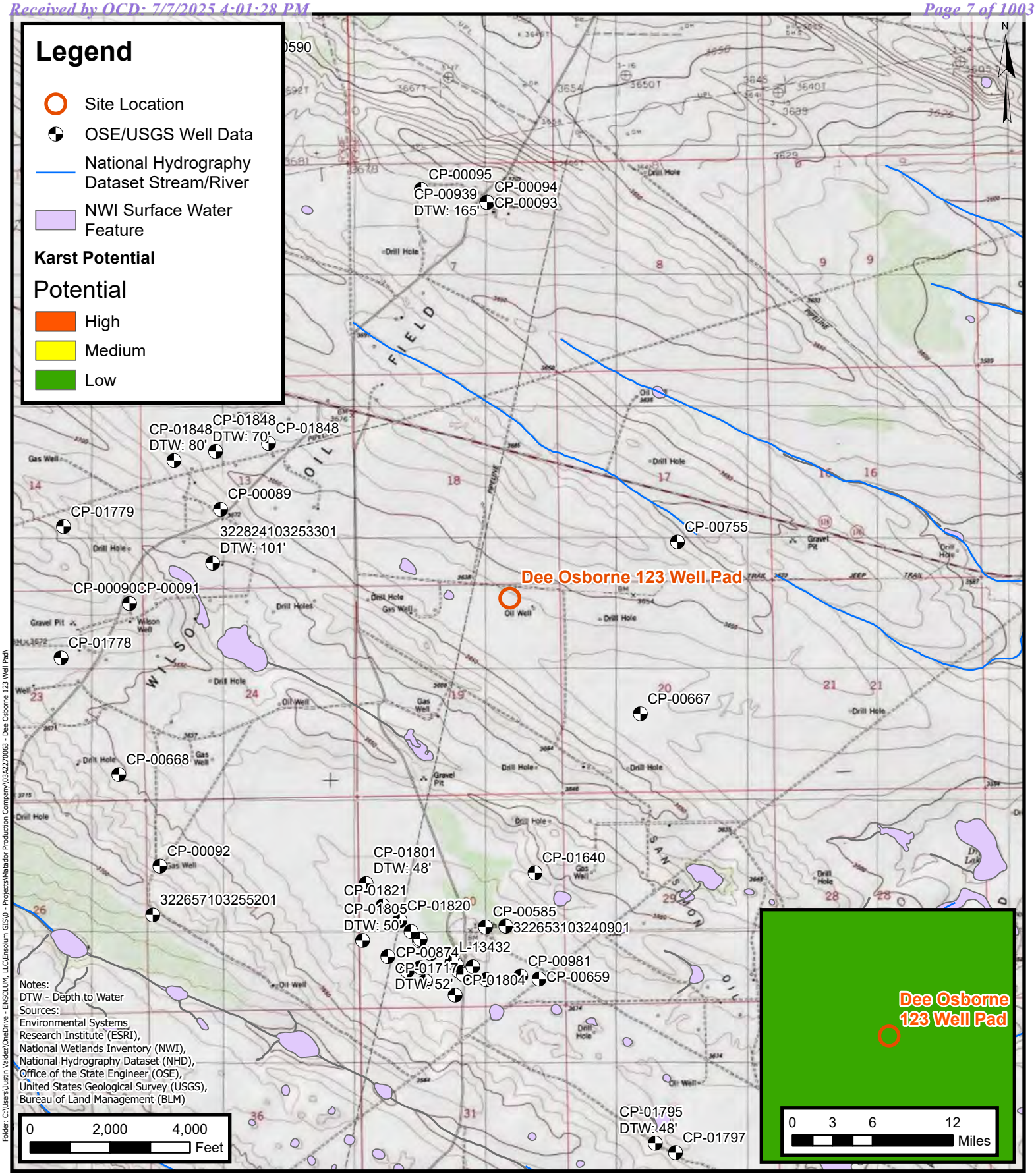
Figure 1 Site Receptor Map
Figure 2 Delineation Soil Sample Locations
Figure 3 Excavation Soil Sample Locations

Table 1 Soil Sample Analytical Results (Delineation Soil Samples)
Tabe 2 Soil Sample Analytical Results (Excavation Soil Samples)
Table 3 Soil Sample Analytical Results (Sidewall Soil Samples)

Appendix A Referenced Well Records
Appendix B Photographic Log
Appendix C Lithologic / Soil Sampling Logs
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E NMOCD Notifications

ENSOLUM

FIGURES



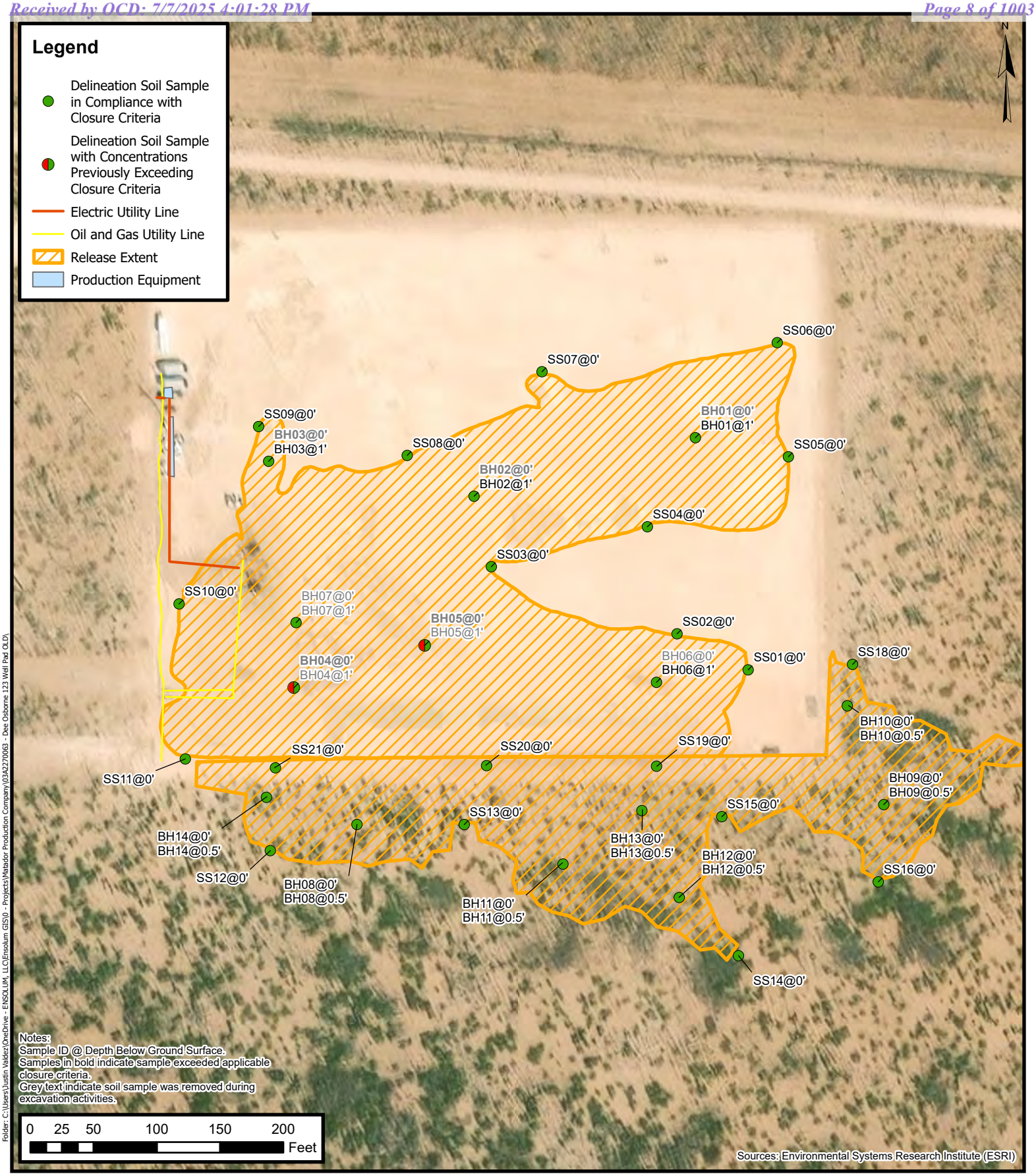
Folder: C:\Users\Justin Valdez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\03A2270063 - Dee Osborne 123 Well Pad\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Matador Production Company
Dee Osborne 123 Well Pad
Incident Number: nAPP2430949175
Unit B, Sec 19, T21S, R35E
Lea County, New Mexico

FIGURE 1



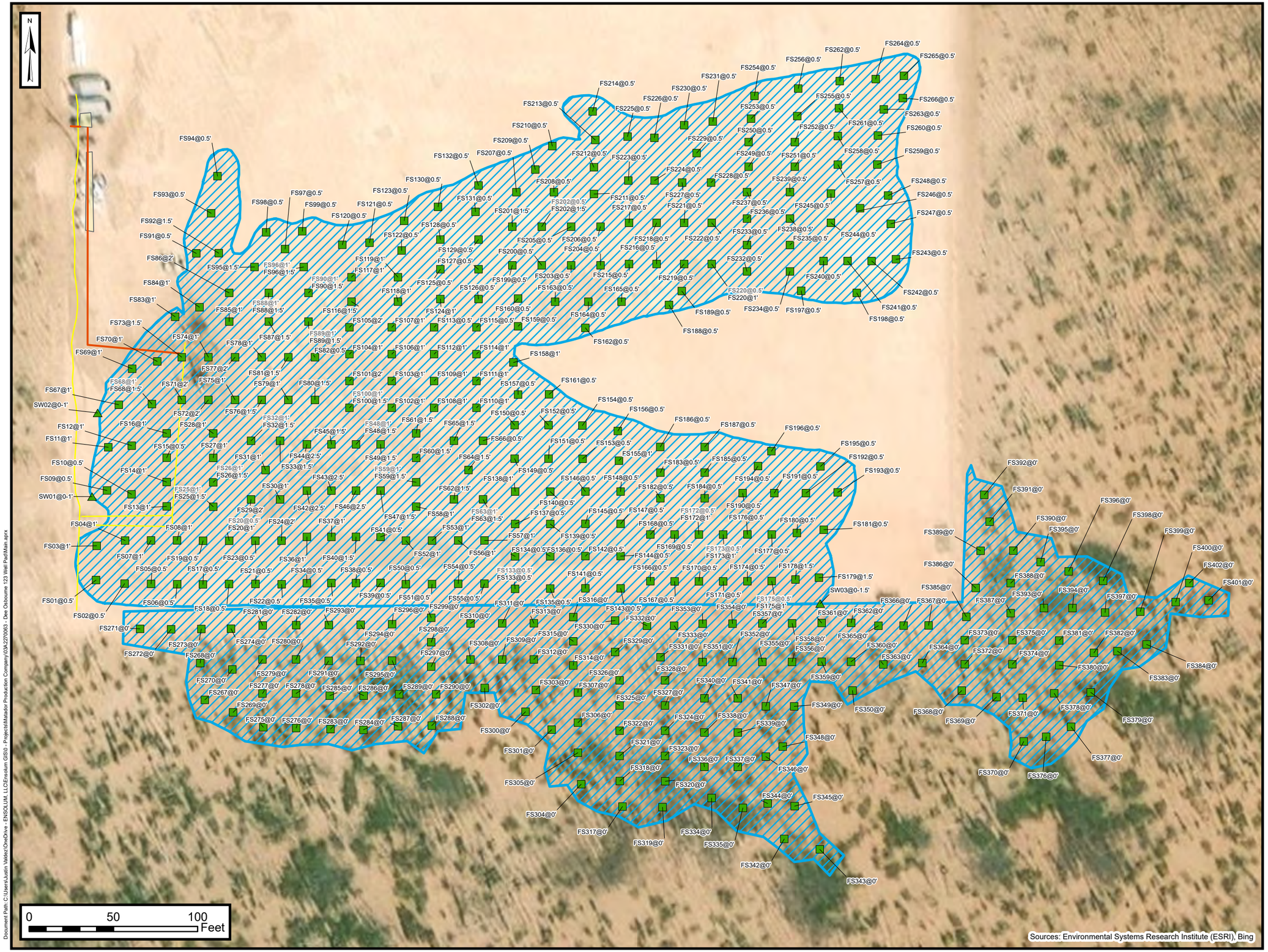
Folder: C:\Users\Justin Valdez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\03A2270063 - Dee Osborne 123 Well Pad OLD\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

Matador Production Company
Dee Osborne 123 Well Pad
Incident Number: nAPP2430949175
Unit B, Sec 19, T21S, R35E
Lea County, New Mexico

FIGURE 2



Legend

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

Confirmation Soil Sample Locations

Matador Production Company
Dee Osborne 123 Well Pad
Incident Number: nAPP2430949175
Unit B, Section 19, T 21S, R 35E
Lea County, New Mexico

FIGURE 3

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

ENSOLUM

TABLES

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Delineation Soil Samples										
SS01	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	317
SS02	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	110
SS03	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS04	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS05	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	21.0
SS06	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	22.0
SS07	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	25.7
SS08	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	33.8
SS09	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS10	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	78.0
SS11	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	43.8
SS12	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS13	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS14	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS15	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS16	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS17	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS18	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS19	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS20	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS21	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH01	11/14/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.6
BH01	11/14/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.5
BH02	11/14/2024	0	<0.0250	<0.0500	<20.0	26	<50.0	26	26	61.9
BH02	11/14/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.6
BH03	11/14/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	153
BH03	11/14/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.5
BH04	11/14/2024	0	<0.0250	<0.0500	<20.0	222	104.0	222	326	129
BH04	11/14/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	91.6
BH05	11/14/2024	0	<0.0250	<0.0500	<20.0	306	171.0	306	477	61.3
BH05	11/14/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	206
BH06	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH06	11/15/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0

ENSOLUM

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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**	**NE**	**100**	**600**
Delineation Soil Samples										
BH07	11/15/2024	0	<0.0250	<0.0500	<20.0	201	56.8	201	**257.8**	275
BH07	11/15/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	150
BH08	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH08	11/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH09	11/15/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH09	11/15/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH10	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH10	12/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH11	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH11	12/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH12	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH12	12/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH13	12/6/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH13	12/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH14	12/6/2024	0	<0.0250	<0.0500	<20.0	25.9	<50.0	25.9	25.9	<20.0
BH14	12/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	46.8

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

*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.*

ENSOLUM

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS01	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	175
FS02	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	105
FS03	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.6
FS04	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.2
FS05	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	116
FS06	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.3
FS07	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	120
FS08	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	102
FS09	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.9
FS10	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	124
FS11	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	80.9
FS12	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	126
FS13	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	210
FS14	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	109
FS15	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	120
FS16	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	297
FS16	3/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	162
FS17	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.3
FS18	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	201
FS19	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	140
FS20	3/17/2025	0.5	<0.0250	<0.0500	<20.0	66.6	55.6	67.0	**122**	534
FS20	4/8/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.1
FS21	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.2
FS22	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	113
FS23	3/17/2025	0.5	<0.0250	<0.0500	<20.0	37.5	<50.0	37.5	37.5	516
FS24	3/19/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	223
FS25	3/17/2025	1	<0.0250	<0.0500	<20.0	75.7	53.3	75.7	**129**	314
FS25	4/8/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.2
FS26	3/17/2025	1	<0.0250	<0.0500	<20.0	123	94.9	123	**218**	386
FS26	4/8/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	241
FS27	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	292
FS28	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	260
FS29	3/19/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	254

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS30	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56
FS31	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	343
FS32	3/17/2025	1	<0.0250	<0.0500	<20.0	461	257	461	**718**	534
FS32	4/8/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	238
FS33	3/19/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	195
FS34	3/17/2025	0.5	<0.0250	<0.0500	<20.0	33.2	50.4	33.2	83.6	161
FS35	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	91.1
FS36	3/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	258
FS37	3/17/2025	1	<0.0250	<0.0500	<20.0	43.5	<50.0	43.5	43..5	277
FS38	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.0
FS39	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.1
FS40	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.1
FS41	3/17/2025	0.5	<0.0250	<0.0500	<20.0	26.9	<50.0	26.9	26.9	230
FS42	3/20/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	192
FS43	3/20/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.9
FS44	3/20/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157
FS45	3/19/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	388
FS46	3/20/2025	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	86.4
FS47	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	162
FS48	3/17/2025	1	<0.0250	<0.0500	<20.0	128	110.0	128	**238**	442
FS48	4/7/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	157
FS49	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	142
FS50	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.4
FS51	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	93.4
FS52	3/17/2025	1	<0.0250	<0.0500	<20.0	26.0	<50.0	26.0	26.0	194
FS53	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	247
FS54	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.5
FS55	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.0
FS56	3/17/2025	1	<0.0250	<0.0500	<20.0	58.1	<50.0	58.1	58.1	446
FS57	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	224
FS58	3/17/2025	1	<0.0250	<0.0500	<20.0	29.9	<50.0	29.9	29.9	230
FS59	3/17/2025	1	<0.0250	<0.0500	<20.0	92.1	56.4	92.1	**148.5**	350
FS59	4/7/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	114

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS60	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	184
FS61	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	276
FS62	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	173
FS63	3/17/2025	1	<0.0250	<0.0500	<20.0	334	54.3	334	388	452
FS63	4/7/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	345
FS64	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	217
FS65	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	73.5
FS66	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
FS67	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
FS68	3/17/2025	1	<0.0250	<0.0500	<20.0	101	67.2	101	168	400
FS68	4/8/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	205
FS69	3/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	171
FS70	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139
FS71	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	242
FS72	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	255
FS73	3/20/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
FS74	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	251
FS75	3/19/2025	1	<0.0250	<0.0500	<20.0	48.4	<50.0	48.4	48.4	213
FS76	3/19/2025	1.5	<0.0250	<0.0500	<20.0	28.8	<50.0	28.8	28.8	201
FS77	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	187
FS78	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	128
FS79	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	256
FS80	3/19/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	458
FS81	3/20/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	197
FS82	3/19/2025	0.5	<0.0250	<0.0500	<20.0	35.8	<50.0	35.8	35.8	290
FS83	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	319
FS84	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	275
FS85	3/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	358
FS86	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	138
FS87	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.8
FS88	3/17/2025	1	<0.0250	<0.0500	<20.0	346	300	346	646	428
FS88	4/8/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.2
FS89	3/17/2025	1	<0.0250	<0.0500	<20.0	204	191	204	395	483
FS89	4/8/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.6

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS90	3/17/2025	1	<0.0250	<0.0500	<20.0	68	68	68	**136**	191
FS90	4/8/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.3
FS91	3/18/2025	0.5	<0.0250	<0.0500	<20.0	36.7	<50.0	36.7	36.7	278
FS92	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	92.8
FS93	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	284
FS94	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	158
FS95	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.2
FS96	3/17/2025	1	<0.0250	<0.0500	<20.0	1,680	2,120	1,680	**3,800**	290
FS96	4/8/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	111
FS97	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.9
FS98	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.2
FS99	3/17/2025	0.5	<0.0250	<0.0500	<20.0	25.8	<50.0	25.8	25.8	107
FS100	3/17/2025	1	<0.0250	<0.0500	<20.0	388	132.0	388	**520**	465
FS100	4/7/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	344
FS101	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	248
FS102	3/17/2025	1	<0.0250	<0.0500	<20.0	64.2	<50.0	64.2	64.2	87.1
FS102	3/20/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	390
FS103	3/17/2025	1	<0.0250	<0.0500	<20.0	32.7	<50.0	32.7	32.7	261
FS104	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	194
FS105	3/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	83.0
FS106	3/17/2025	1	<0.0250	<0.0500	<20.0	88.5	91.8	88.5	**180**	366
FS106	4/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.5
FS107	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	209
FS108	3/17/2025	1	<0.0250	<0.0500	<20.0	49.5	<50.0	49.5	49.5	162
FS109	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.1
FS110	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.5
FS111	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.3
FS112	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.8
FS113	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
FS113	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.1
FS114	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	48.2
FS115	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.9
FS116	3/19/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
FS117	3/17/2025	1	<0.0250	<0.0500	<20.0	36.8	<50.0	36.8	36.8	116
FS118	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	59.2

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS119	3/17/2025	1	<0.0250	<0.0500	<20.0	35.2	<50.0	35.2	35.2	84.8
FS120	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	98.6
FS121	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.6
FS122	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	95.9
FS123	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104
FS124	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.0
FS125	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	73.4
FS126	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.2
FS127	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.7
FS127	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.3
FS128	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	126
FS129	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.4
FS130	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	128
FS131	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	163
FS131	3/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	194
FS132	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148
FS133	3/18/2025	0.5	<0.0250	<0.0500	<20.0	40.3	62.1	40.3	**102.4**	201
FS133	4/7/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS134	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	66.5
FS135	3/17/2025	0.5	<0.0250	<0.0500	<20.0	35.7	<50.0	35.7	35.7	116
FS136	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	100
FS137	3/17/2025	0.5	<0.0250	<0.0500	<20.0	32.7	<50.0	32.7	32.7	217
FS138	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	68.9
FS139	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	142
FS140	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	128
FS141	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	96.7
FS142	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.3
FS143	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	122
FS144	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.0
FS145	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	129
FS146	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	135
FS147	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.5
FS147	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103
FS148	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	110

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS149	3/17/2025	0.5	<0.0250	<0.0500	<20.0	31.2	<50.0	31.2	31.2	135
FS150	3/17/2025	0.5	<0.0250	<0.0500	<20.0	33.1	<50.0	33.1	33.1	91.6
FS151	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	123
FS152	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.0
FS153	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	88.5
FS154	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	63.7
FS155	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.3
FS156	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.1
FS157	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.4
FS158	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.7
FS159	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.5
FS160	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.8
FS161	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.7
FS162	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.2
FS163	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	297
FS164	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	35.4
FS165	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	29.3
FS166	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.6
FS167	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	83.6
FS168	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	95.2
FS169	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.2
FS170	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.8
FS171	3/13/2025	0.5	<0.0250	<0.0500	<20.0	25.2	<50.0	25.2	25.2	219
FS172	3/18/2025	0.5	<0.0250	<0.0500	<20.0	383	721.0	383	**1,104**	187.0
FS172	4/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.8
FS173	3/13/2025	0.5	<0.0250	<0.0500	<20.0	154	<50.0	154	**154**	251
FS173	4/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.8
FS174	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
FS175	3/13/2025	0.5	<0.0250	<0.0500	<20.0	35.9	<50.0	35.9	35.9	**678**
FS175	4/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.5
FS176	3/13/2025	0.5	<0.0250	<0.0500	<20.0	85.6	<50.0	85.6	85.6	269
FS177	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	180
FS178	3/19/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	183
FS179	3/19/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	156

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS180	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	420
FS181	3/13/2025	0.5	<0.0250	<0.0500	<20.0	82.3	<50.0	82.3	82.3	268
FS182	3/13/2025	0.5	<0.0250	<0.0500	<20.0	29.0	<50.0	29.0	29.0	94.2
FS183	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	107
FS184	3/13/2025	0.5	<0.0250	<0.0500	<20.0	25.9	<50.0	25.9	25.9	102
FS185	3/13/2025	0.5	<0.0250	<0.0500	<20.0	31.5	<50.0	31.5	31.5	108
FS186	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.4
FS187	3/13/2025	0.5	<0.0250	<0.0500	<20.0	32.5	<50.0	32.5	32.5	60.3
FS188	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.0
FS189	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.4
FS190	3/13/2025	0.5	<0.0250	<0.0500	<20.0	27.6	<50.0	27.6	27.6	99.6
FS191	3/13/2025	0.5	<0.0250	<0.0500	<20.0	67.3	<50.0	67.3	67.3	155
FS192	3/13/2025	0.5	<0.0250	<0.0500	<20.0	59.3	<50.0	59.3	59.3	277
FS193	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	223
FS194	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.8
FS195	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	127
FS196	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.5
FS197	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	66.2
FS198	3/18/2025	0.5	<0.0250	<0.0500	<20.0	27.0	<50.0	27.0	27.0	44.0
FS199	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	74.9
FS200	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	133
FS201	3/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	217
FS202	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	712
FS202	4/7/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.8
FS203	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.6
FS204	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.7
FS205	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	202
FS206	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
FS207	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	135
FS208	3/17/2025	0.5	<0.0250	<0.0500	<20.0	28.8	<50.0	28.8	28.8	123
FS209	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	127
FS210	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	94.2
FS211	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	138
FS212	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.8

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS213	3/17/2025	0.5	<0.0250	<0.0500	<20.0	78.6	<50.0	78.6	78.6	91.2
FS214	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.6
FS215	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.2
FS216	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.3
FS217	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	165
FS218	3/17/2025	0.5	<0.0250	<0.0500	<20.0	27.6	<50.0	27.6	27.6	131
FS219	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.7
FS220	3/17/2025	0.5	<0.0250	<0.0500	<20.0	93.4	72.1	93.4	166	<20.0
FS220	4/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS221	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	91.6
FS221	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.1
FS222	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.4
FS223	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	199
FS224	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
FS225	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.5
FS226	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.3
FS227	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81.5
FS228	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.7
FS229	3/17/2025	0.5	<0.0250	<0.0500	<20.0	29.2	<50.0	29.2	29.2	85.8
FS230	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.6
FS231	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.5
FS232	3/17/2025	0.5	<0.0250	<0.0500	<20.0	35.8	<50.0	35.8	35.8	33.1
FS233	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.2
FS234	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	121
FS234	3/18/2025	0.5	<0.0250	<0.0500	<20.0	49.7	<50.0	49.7	49.7	45.6
FS235	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.2
FS236	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104
FS237	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.2
FS238	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.8
FS238	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.9
FS239	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.9
FS239	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	121
FS240	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS241	3/18/2025	0.5	<0.0250	<0.0500	<20.0	30.1	<50.0	30.1	30.1	47.0

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS242	3/18/2025	0.5	<0.0250	<0.0500	<20.0	33.1	<50.0	33.1	33.1	37.1
FS243	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.5
FS244	3/18/2025	0.5	<0.0250	<0.0500	<20.0	38.6	<50.0	38.6	38.6	47.1
FS245	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.1
FS246	3/18/2025	0.5	<0.0250	0.0374	<20.0	<25.0	<50.0	<25.0	<50.0	32.5
FS247	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.5
FS248	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.0
FS249	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.6
FS250	3/17/2025	0.5	<0.0250	<0.0500	<20.0	30.4	<50.0	30.4	30.4	98.5
FS251	3/18/2025	0.5	<0.0250	<0.0500	<20.0	35.4	<50.0	35.4	35.4	102
FS252	3/18/2025	0.5	<0.0250	<0.0500	<20.0	26.3	<50.0	26.3	26.3	73.0
FS253	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.6
FS254	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	35.0
FS255	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS256	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.7
FS257	3/18/2025	0.5	<0.0250	<0.0500	<20.0	27.7	<50.0	27.7	27.7	68.0
FS258	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.4
FS259	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.1
FS260	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.6
FS261	3/18/2025	0.5	<0.0250	<0.0500	<20.0	29.0	<50.0	29.0	29.0	53.6
FS262	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS263	3/18/2025	0.5	<0.0250	<0.0500	<20.0	33.0	<50.0	33.0	33.0	53.1
FS264	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.9
FS265	3/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.1
FS266	4/8/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS267	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS268	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS269	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS270	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS271	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS272	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS273	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS274	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS275	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS276	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS277	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS278	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS279	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS280	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS281	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS282	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS283	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS284	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS285	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS286	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS287	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS288	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.8
FS289	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS290	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS291	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS292	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS293	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS294	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.9
FS295	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS296	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.2
FS297	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.8
FS298	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS299	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS300	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS301	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS302	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS303	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS304	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS305	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS306	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS307	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS307	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS308	5/29/2025	0	<0.0250	<0.0500	<20.0	32.3	<50.0	32.3	<50.0	<20.0
FS308	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS309	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.8
FS310	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS311	5/29/2025	0	<0.0250	<0.0500	<20.0	27.4	<50.0	27.4	<50.0	<20.0
FS311	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS312	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS313	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS314	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS315	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS316	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS317	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS318	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS319	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS320	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS321	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS322	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS323	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS324	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS325	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS326	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS327	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS328	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS329	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS330	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS331	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS332	5/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS333	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS334	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS335	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS336	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS337	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS338	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS339	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS340	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS341	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS342	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS343	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS344	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS345	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS346	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS347	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS348	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS349	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS350	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS351	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS352	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS353	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS354	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS355	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS356	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS357	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS358	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.2
FS359	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.2
FS360	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS361	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS362	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS363	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS364	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS365	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS366	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS367	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS368	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS369	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS370	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS371	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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	NE	100	600
Excavation Floor Soil Samples										
FS372	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS373	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS374	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS375	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS376	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS377	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS378	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS379	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS380	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS381	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS382	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS383	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS384	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS385	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS386	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS387	5/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS388	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS389	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS390	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS391	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS392	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.9
FS393	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS394	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

ENSOLUM

TABLE 2 - CON'T
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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**	**NE**	**100**	**600**
Excavation Floor Soil Samples										
FS395	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS396	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS397	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS398	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS399	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS400	5/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS401	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS402	5/28/2025	0	<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
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
*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.*

ENSOLUM

TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
Dee Osborne 123 Well Pad
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**	**NE**	**100**	**600**
Sidewall Soil Samples										
SW01	3/18/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72
SW02	3/18/2025	0-1	<0.0250	<0.0500	<20.0	57.9	81.6	57.9	**139.5**	311
SW02A	4/7/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW03	3/19/2025	0-1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	347

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

*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.*

ENSOLUM

APPENDIX A

Well Log and Record

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD3 (MW-3)	n/a	CP-1848

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Permina Water Solutions	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
415 W Wall St	Midland	TX	79707

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	28	52.08	N
	LONGITUDE	103	25	33.41	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

NE SE NW Sec. 13 T21S R34E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
08/19/2021	08/19/2021	87	87	±70

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 68.9

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
+3	67	±8.5	2" Sch 40 PVC Riser	Flush Treaded 2 TPI	2.067	0.154	--
67	--	±8.5	3" Sch 40 PVC Pre PackScreen	Flush Treaded 2 TPI	3.042	0.216	0.010
--	87	--	with inner 2" Sch 40 PVC Screen	--	2.067	0.154	0.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	1	±8.5	Quick Crete 5000 PSI	±1.8	from surface
1	59	±8.5	Portland Neat Cement	±20.6	through HSA
59	62	±8.5	Bentonite Pellets	±1.4	through HSA
62	87	±8.5	12/20 Silica Sand	±4.7	through HSA

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CP-1848	POD NO. 3	TRN NO. 702136	
LOCATION EXP 21S.34E.13.142		WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	15	15	Sand, Fine-grained, with well sorted gravel , Brown / Black	Y ✓ N	
15	40	25	Caliche with fine grain sand, Gray / Black , Dry	Y ✓ N	
40	45	5	Silty Sand, poorly sorted, Dark Brown	Y ✓ N	
45	65	20	Silty Sand, very fine grain, poorly sorted, Light Brown , Dry	Y ✓ N	
65	87	22	Silty Sand, very fine grain, poorly sorted, Light Brown , Moist	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Monitoring well, above ground completion, no pump test.
Logs adapted from Tetra Tech field notes

OSE DII SEP 13 2021 PM1:23

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt, Carmelo Travino

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 09/10/2021

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

ENSOLUM

APPENDIX B

Photographic Log

ENSOLUM

Photographic Log
Matador Production Company
Dee Osborne 123 Well Pad
nAPP24309499175



Photograph 1 Date:11/04/2024
Description: Lease Sign
View: East



Photograph 2 Date:11/04/2024
Description: Stained Area
View: Southeast



Photograph 3 Date:11/04/2024
Description: Stained Area
View: Southeast



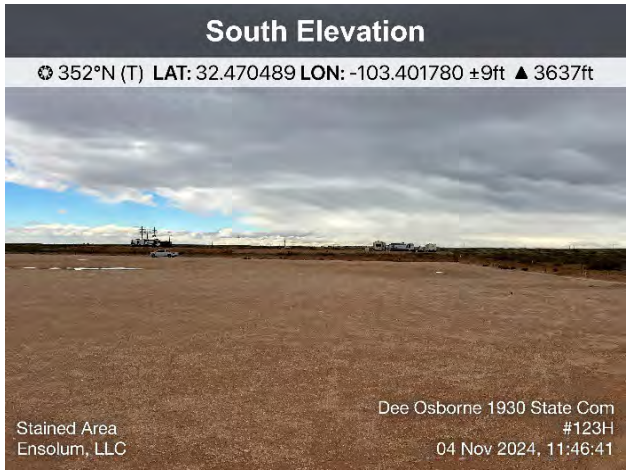
Photograph 4 Date:11/04/2024
Description: Stained Area
View: East

ENSOLUM

Photographic Log
Matador Production Company
Dee Osborne 123 Well Pad
nAPP24309499175



Photograph 5 Date:11/04/2024
Description: Stained Area
View: West



Photograph 6 Date:11/04/2024
Description: Stained Area
View: North



Photograph 7 Date:11/04/2024
Description: Stained Area
View: West



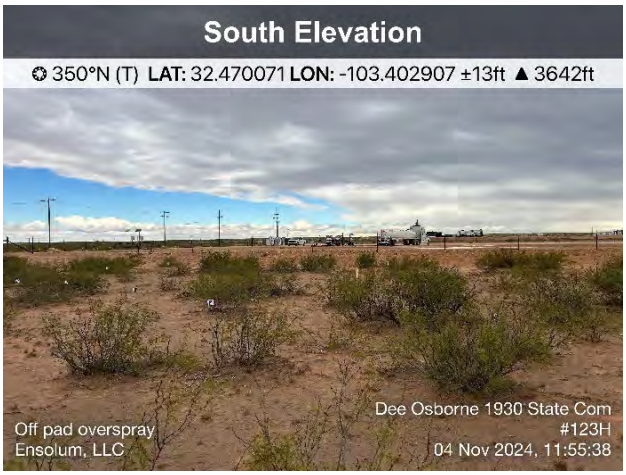
Photograph 8 Date:11/04/2024
Description: Stained Area
View: Northwest

ENSOLUM

Photographic Log
Matador Production Company
Dee Osborne 123 Well Pad
nAPP24309499175



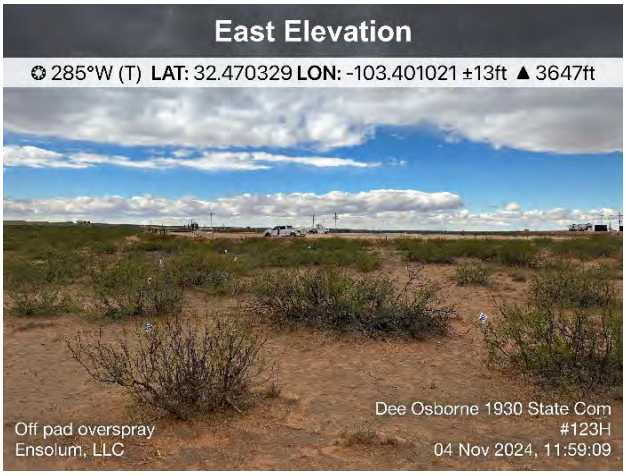
Photograph 9 Date:11/04/2024
Description: Off pad overspray
View: Southeast



Photograph 10 Date:11/04/2024
Description: Off pad overspray
View: North



Photograph 11 Date:11/04/2024
Description: Off pad overspray
View: Northwest



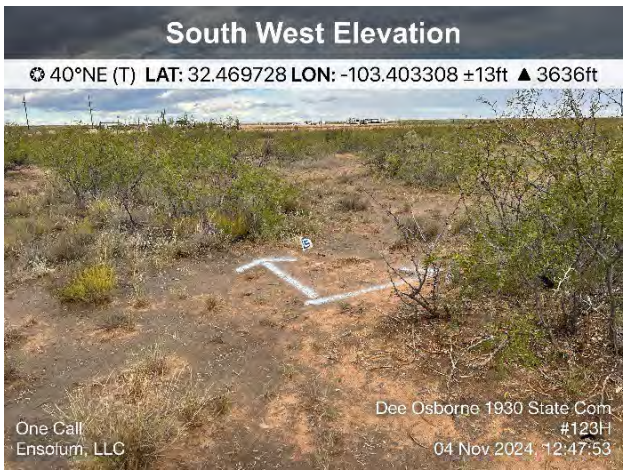
Photograph 12 Date:11/04/2024
Description: Off pad overspray
View: West

ENSOLUM

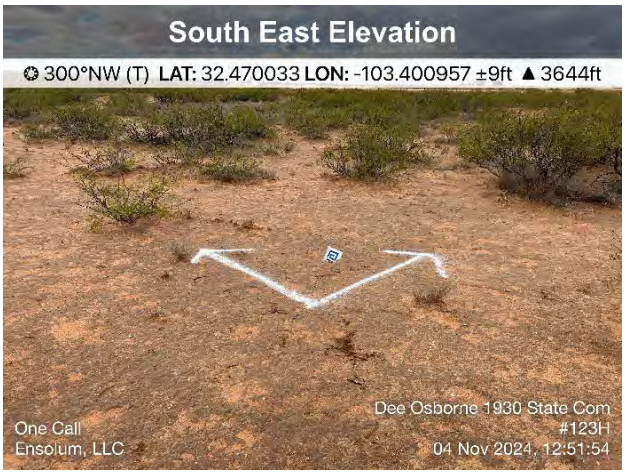
Photographic Log
Matador Production Company
Dee Osborne 123 Well Pad
nAPP24309499175



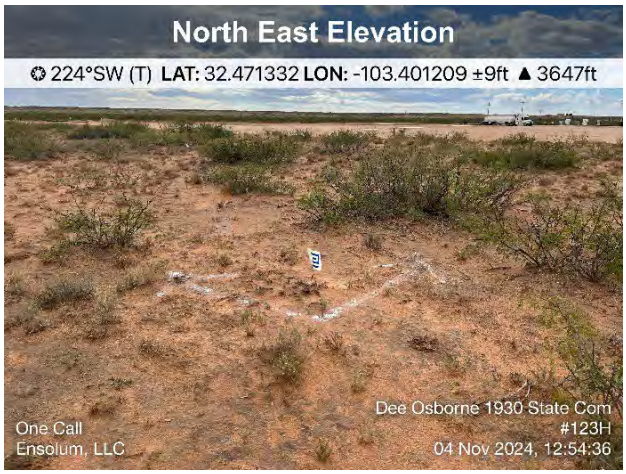
Photograph 13 Date:11/04/2024
Description: One Call
View: Southeast



Photograph 14 Date:11/04/2024
Description: One Call
View: Northeast



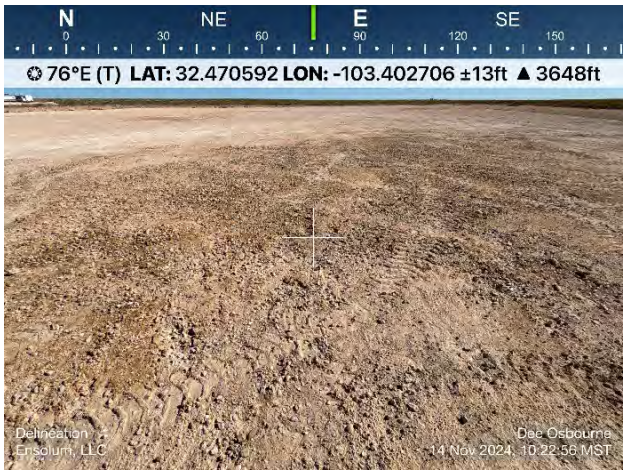
Photograph 15 Date:11/04/2024
Description: One Call
View: Northwest



Photograph 16 Date:11/04/2024
Description: One Call
View: Southwest

ENSOLUM

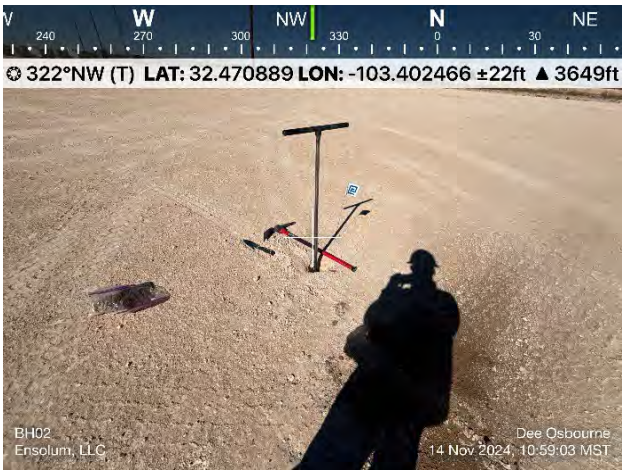
Photographic Log
Matador Production Company
Dee Osborne 123 Well Pad
nAPP24309499175



Photograph 17 Date:11/14/2024
Description: Delineation
View: East



Photograph 18 Date:11/14/2024
Description: Delineation
View: East



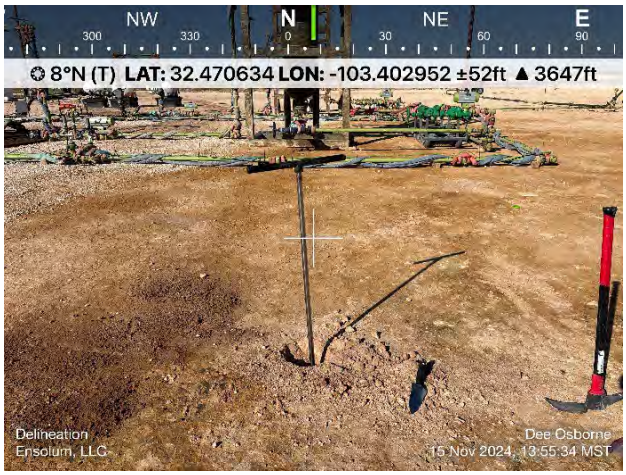
Photograph 19 Date:11/14/2024
Description: Delineation
View: Northwest



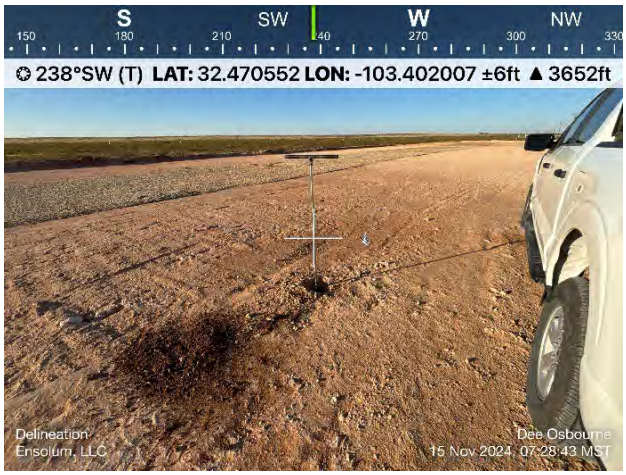
Photograph 20 Date:11/14/2024
Description: Delineation
View: Southwest

ENSOLUM

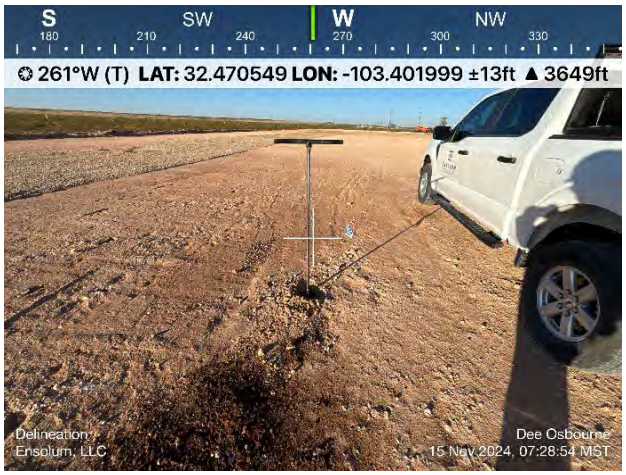
Photographic Log
Matador Production Company
Dee Osborne 123 Well Pad
nAPP24309499175



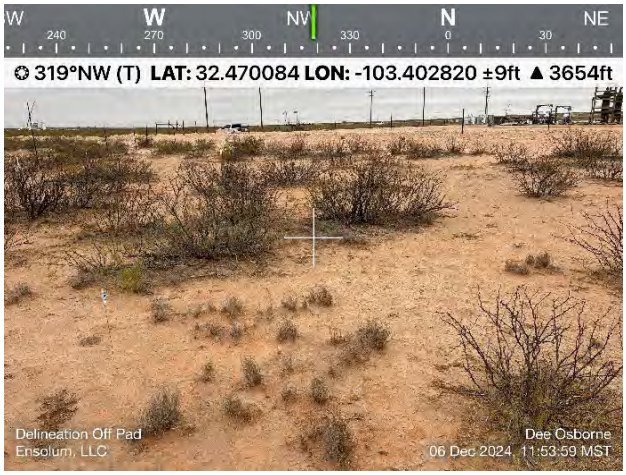
Photograph 21 Date:11/15/2024
Description: Delineation
View: North



Photograph 22 Date:11/15/2024
Description: Delineation
View: Southwest



Photograph 23 Date:11/15/2024
Description: Delineation
View: West



Photograph 24 Date:12/06/2024
Description: Delineation Off Pad
View: Northwest

ENSOLUM

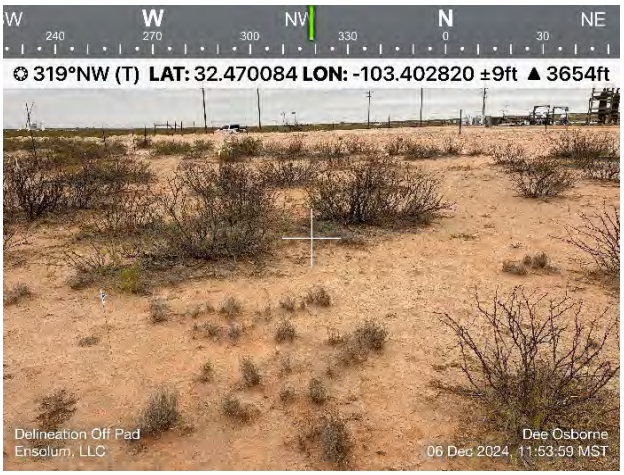
Photographic Log
Matador Production Company
Dee Osborne 123 Well Pad
nAPP24309499175



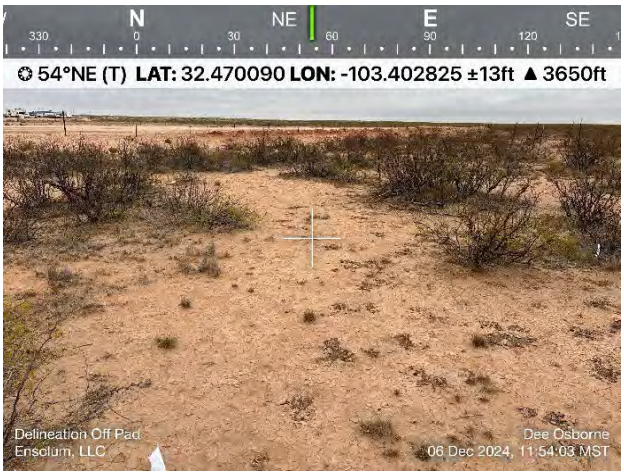
Photograph 25 Date:12/06/2024
Description: Delineation Off Pad
View: East



Photograph 26 Date:12/06/2024
Description: Delineation Off Pad
View: North



Photograph 27 Date:12/06/2024
Description: Delineation Off Pad
View: Northwest



Photograph 28 Date:12/06/2024
Description: Delineation Off Pad
View: Northeast

ENSOLUM

Photographic Log
Matador Production Company
Dee Osborne 123 Well Pad
nAPP24309499175



Photograph 29 Date:3/12/2025
Description: Excavation
View: East



Photograph 30 Date:3/12/2025
Description: Excavation
View:



Photograph 31 Date:3/17/2025
Description: Excavation
View: North



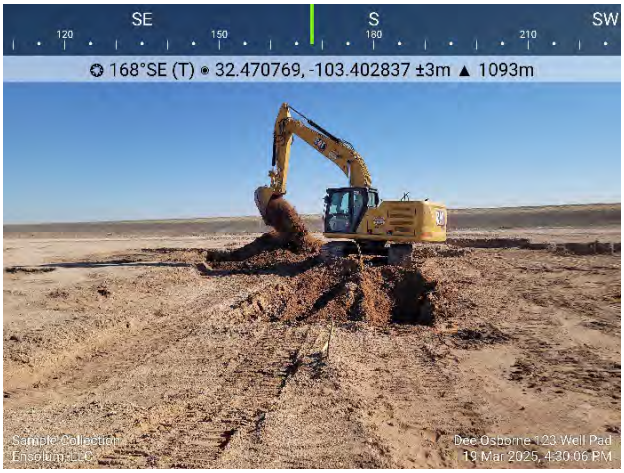
Photograph 32 Date:3/18/2025
Description: Excavation
View: Northwest

ENSOLUM

Photographic Log
Matador Production Company
Dee Osborne 123 Well Pad
nAPP24309499175



Photograph 33 Date:3/19/2025
Description: Excavation
View: South



Photograph 34 Date:3/19/2025
Description: Excavation
View: South



Photograph 35 Date:3/20/2025
Description: Excavation
View: Southeast



Photograph 36 Date:3/20/2025
Description: Excavation
View: Northeast

ENSOLUM

Photographic Log
Matador Production Company
Dee Osborne 123 Well Pad
nAPP24309499175



Photograph 37 Date:4/07/2025
Description: Excavation
View: East



Photograph 38 Date:4/07/2025
Description: Excavation
View: South



Photograph 39 Date:4/08/2025
Description: Excavation
View: Southwest



Photograph 40 Date:4/08/2025
Description: Excavation
View: Southeast

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: BH01	Date: 11/14/2024
	Site Name: Dee Osborne	
	Incident Number: nAPP2430949175	
	Job Number: 03A2270063	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Hand Auger
Coordinates: 32.4710561, -103.4018166	Hole Diameter: 3"	Total Depth:

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH01 0'	0	0	CCHE	Caliche pad material, white, no staining.
D	ND	9	N	BH01 1'	1	1	CL	Sandy clay, dark brown, no staining.
D	ND		N			2		

TOTAL DEPTH = 2' (Feet) BGS

ENSOLUM

	Sample Name: BH02	Date: 11/14/2024
	Site Name: Dee Osborne	
	Incident Number: nAPP2430949175	
	Job Number: 03A2270063	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Hand Auger
Coordinates: 32.4709178, -103.4024583	Hole Diameter: 3"	Total Depth:

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH02 0'	0	0	CCHE	Caliche pad material, white, no staining.
D	ND	39	N	BH01 1'	1	1	CL	Sandy clay, dark brown, no staining.
D	ND		N			2		

TOTAL DEPTH = 2' (Feet) BGS

ENSOLUM

	Sample Name: BH03	Date: 11/14/2024
	Site Name: Dee Osborne	
	Incident Number: nAPP2430949175	
	Job Number: 03A2270063	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Hand Auger
Coordinates: 32.4710004, -103.4029830	Hole Diameter: 3"	Total Depth:

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH03 0'	0	0	CCHE	Caliche pad material, white, no staining.
D	ND	36	N	BH03 1'	1	1	CL	Sandy clay, dark brown, no staining.
D	ND		N			2		

TOTAL DEPTH = 2' (Feet) BGS

ENSOLUM

Sample Name: BH04	Date: 11/14/2024	
Site Name: Dee Osborne		
Incident Number: nAPP2430949175		
Job Number: 03A2270063		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Hand Auger
Coordinates: 32.4705075, -103.4029269	Hole Diameter: 3"	Total Depth:

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH04 0'	0	0	CCHE	Caliche pad material, white, no staining.
D	ND	46	N	BH04 1'	1	1	CL	Sandy clay, dark brown, no staining.
D	314		N			2		

TOTAL DEPTH = 2' (Feet) BGS

ENSOLUM

	Sample Name: BH05	Date: 11/14/2024
	Site Name: Dee Osborne	
	Incident Number: nAPP2430949175	
	Job Number: 03A2270063	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Hand Auger
Coordinates: 32.4705953, -103.4025904	Hole Diameter: 3"	Total Depth:

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH05 0'	0	0	CCHE	Caliche pad material, white, no staining.
D	235	16	N	BH05 1'	1	1	CL	Sandy clay, dark brown, no staining.
D	ND		N			2		

TOTAL DEPTH = 2' (Feet) BGS

ENSOLUM

Sample Name: BH06	Date: 11/15/2024	
Site Name: Dee Osborne		
Incident Number: nAPP2430949175		
Job Number: 03A2270063		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Hand Auger
Coordinates: 32.4705073, -103.4019978	Hole Diameter: 3"	Total Depth:

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH06 0'	0	0	CCHE	Caliche pad material, white, no staining.
D	ND	22	N	BH06 1'	1	1	CL	Sandy clay, dark brown, no staining.
D			N			2		

TOTAL DEPTH = 2' (Feet) BGS

ENSOLUM

	Sample Name: BH07	Date: 11/15/2024
	Site Name: Dee Osborne	
	Incident Number: nAPP2430949175	
	Job Number: 03A2270063	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Higinio Gonzalez	Method: Hand Auger
Coordinates: 32.4706490, -103.4029187	Hole Diameter: 3"	Total Depth:

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH07 0'	0	0	CCHE	Caliche pad material, white, light brown staining.
M	263	25	N	BH07 1'	1	1	CL	Sandy clay, dark brown, no staining, chemical odor
D	ND	45	N	BH07 2'	2	2		Sandy clay, dark brown, no staining.

TOTAL DEPTH = 2' (Feet) BGS

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborn 123 Well Pad
Work Order:	E411168
Job Number:	23003-0002
Received:	11/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/24

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

Date Reported: 11/21/24

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

Project Name: Dee Osborn 123 Well Pad
Workorder: E411168
Date Received: 11/18/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2024 8:00:00AM, under the Project Name: Dee Osborn 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborn 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH01 @ 0’ 5
- BH01 @ 1’ 6
- BH02 @ 0’ 7
- BH02 @ 1’ 8
- BH03 @ 0’ 9
- BH03 @ 1’ 10
- BH04 @ 0’ 11
- BH04 @ 1’ 12
- BH05 @ 0’ 13
- BH05 @ 1’ 14

QC Summary Data 15

- QC - Volatile Organics by EPA 8021B 15
- QC - Nonhalogenated Organics by EPA 8015D - GRO 16
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 17
- QC - Anions by EPA 300.0/9056A 18

Definitions and Notes 19

Chain of Custody etc. 20

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/24 13:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 @ 0'	E411168-01A	Soil	11/14/24	11/18/24	Glass Jar, 2 oz.
BH01 @ 1'	E411168-02A	Soil	11/14/24	11/18/24	Glass Jar, 2 oz.
BH02 @ 0'	E411168-03A	Soil	11/14/24	11/18/24	Glass Jar, 2 oz.
BH02 @ 1'	E411168-04A	Soil	11/14/24	11/18/24	Glass Jar, 2 oz.
BH03 @ 0'	E411168-05A	Soil	11/14/24	11/18/24	Glass Jar, 2 oz.
BH03 @ 1'	E411168-06A	Soil	11/14/24	11/18/24	Glass Jar, 2 oz.
BH04 @ 0'	E411168-07A	Soil	11/14/24	11/18/24	Glass Jar, 2 oz.
BH04 @ 1'	E411168-08A	Soil	11/14/24	11/18/24	Glass Jar, 2 oz.
BH05 @ 0'	E411168-09A	Soil	11/14/24	11/18/24	Glass Jar, 2 oz.
BH05 @ 1'	E411168-10A	Soil	11/14/24	11/18/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

BH01 @ 0'

E411168-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Benzene	ND	0.0250	1	11/18/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/18/24	11/20/24	
Toluene	ND	0.0250	1	11/18/24	11/20/24	
o-Xylene	ND	0.0250	1	11/18/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/18/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/18/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.5 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2447011
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/24	11/19/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*11/18/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447070
Chloride	**25.6**	20.0	1	11/20/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

BH01 @ 1'

E411168-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Benzene	ND	0.0250	1	11/18/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/18/24	11/20/24	
Toluene	ND	0.0250	1	11/18/24	11/20/24	
o-Xylene	ND	0.0250	1	11/18/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/18/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/18/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2447011
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/24	11/19/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*11/18/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447070
Chloride	**44.5**	20.0	1	11/20/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

BH02 @ 0'

E411168-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Benzene	ND	0.0250	1	11/18/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/18/24	11/20/24	
Toluene	ND	0.0250	1	11/18/24	11/20/24	
o-Xylene	ND	0.0250	1	11/18/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/18/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/18/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.7 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2447011
Diesel Range Organics (C10-C28)	**26.0**	25.0	1	11/18/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/24	11/19/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*11/18/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447070
Chloride	**61.9**	20.0	1	11/20/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

BH02 @ 1'

E411168-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Benzene	ND	0.0250	1	11/18/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/18/24	11/20/24	
Toluene	ND	0.0250	1	11/18/24	11/20/24	
o-Xylene	ND	0.0250	1	11/18/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/18/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/18/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2447011
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/24	11/19/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*11/18/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447070
Chloride	**32.6**	20.0	1	11/20/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

BH03 @ 0'

E411168-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Benzene	ND	0.0250	1	11/18/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/18/24	11/20/24	
Toluene	ND	0.0250	1	11/18/24	11/20/24	
o-Xylene	ND	0.0250	1	11/18/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/18/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/18/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2447011
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/24	11/19/24	
Surrogate: n-Nonane		*124 %*	*50-200*	*11/18/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447070
Chloride	**153**	20.0	1	11/20/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

BH03 @ 1'

E411168-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Benzene	ND	0.0250	1	11/18/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/18/24	11/20/24	
Toluene	ND	0.0250	1	11/18/24	11/20/24	
o-Xylene	ND	0.0250	1	11/18/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/18/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/18/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2447011
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/24	11/19/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/18/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447070
Chloride	**65.5**	20.0	1	11/20/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

BH04 @ 0'

E411168-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Benzene	ND	0.0250	1	11/18/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/18/24	11/20/24	
Toluene	ND	0.0250	1	11/18/24	11/20/24	
o-Xylene	ND	0.0250	1	11/18/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/18/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/18/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2447011
Diesel Range Organics (C10-C28)	**222**	25.0	1	11/18/24	11/19/24	
Oil Range Organics (C28-C36)	**104**	50.0	1	11/18/24	11/19/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*11/18/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447070
Chloride	**129**	20.0	1	11/20/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

BH04 @ 1'

E411168-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Benzene	ND	0.0250	1	11/18/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/18/24	11/20/24	
Toluene	ND	0.0250	1	11/18/24	11/20/24	
o-Xylene	ND	0.0250	1	11/18/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/18/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/18/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2447011
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/24	11/19/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/18/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447070
Chloride	**91.6**	20.0	1	11/20/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

BH05 @ 0'

E411168-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Benzene	ND	0.0250	1	11/18/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/18/24	11/20/24	
Toluene	ND	0.0250	1	11/18/24	11/20/24	
o-Xylene	ND	0.0250	1	11/18/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/18/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/18/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.3 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2447011
Diesel Range Organics (C10-C28)	**306**	25.0	1	11/18/24	11/19/24	
Oil Range Organics (C28-C36)	**171**	50.0	1	11/18/24	11/19/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*11/18/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447070
Chloride	**613**	20.0	1	11/20/24	11/20/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

BH05 @ 1'

E411168-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Benzene	ND	0.0250	1	11/18/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/18/24	11/20/24	
Toluene	ND	0.0250	1	11/18/24	11/20/24	
o-Xylene	ND	0.0250	1	11/18/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/18/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/18/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2447005
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*11/18/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2447011
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/24	11/19/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/18/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447070
Chloride	**206**	20.0	1	11/20/24	11/20/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447005-BLK1)									Prepared: 11/18/24 Analyzed: 11/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.78*		*8.00*		*84.8*	*70-130*			
LCS (2447005-BS1)									Prepared: 11/18/24 Analyzed: 11/20/24
Benzene	4.23	0.0250	5.00		84.5	70-130			
Ethylbenzene	3.95	0.0250	5.00		78.9	70-130			
Toluene	4.11	0.0250	5.00		82.1	70-130			
o-Xylene	3.94	0.0250	5.00		78.8	70-130			
p,m-Xylene	8.00	0.0500	10.0		80.0	70-130			
Total Xylenes	11.9	0.0250	15.0		79.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.80*		*8.00*		*84.9*	*70-130*			
LCS Dup (2447005-BSD1)									Prepared: 11/18/24 Analyzed: 11/20/24
Benzene	4.14	0.0250	5.00		82.9	70-130	1.96	20	
Ethylbenzene	3.93	0.0250	5.00		78.6	70-130	0.410	20	
Toluene	4.05	0.0250	5.00		81.0	70-130	1.35	20	
o-Xylene	3.91	0.0250	5.00		78.1	70-130	0.848	20	
p,m-Xylene	7.99	0.0500	10.0		79.9	70-130	0.235	20	
Total Xylenes	11.9	0.0250	15.0		79.3	70-130	0.436	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.74*		*8.00*		*84.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447005-BLK1)									Prepared: 11/18/24 Analyzed: 11/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			
LCS (2447005-BS2)									Prepared: 11/18/24 Analyzed: 11/20/24
Gasoline Range Organics (C6-C10)	37.2	20.0	50.0		74.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			
LCS Dup (2447005-BSD2)									Prepared: 11/18/24 Analyzed: 11/20/24
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		84.9	70-130	13.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447011-BLK1)									Prepared: 11/18/24 Analyzed: 11/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.1*		*50.0*		*114*	*50-200*			
LCS (2447011-BS1)									Prepared: 11/18/24 Analyzed: 11/18/24
Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	*60.6*		*50.0*		*121*	*50-200*			
Matrix Spike (2447011-MS1)				**Source: E411167-06**					Prepared: 11/18/24 Analyzed: 11/18/24
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	*57.6*		*50.0*		*115*	*50-200*			
Matrix Spike Dup (2447011-MSD1)				**Source: E411167-06**					Prepared: 11/18/24 Analyzed: 11/18/24
Diesel Range Organics (C10-C28)	311	25.0	250	ND	125	38-132	9.83	20	
Surrogate: n-Nonane	*62.3*		*50.0*		*125*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/2024 1:18:36PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447070-BLK1)									Prepared: 11/20/24 Analyzed: 11/20/24
Chloride	ND	20.0							
LCS (2447070-BS1)									Prepared: 11/20/24 Analyzed: 11/20/24
Chloride	251	20.0	250		100	90-110			
LCS Dup (2447070-BSD1)									Prepared: 11/20/24 Analyzed: 11/20/24
Chloride	252	20.0	250		101	90-110	0.283	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/21/24 13:18

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411168	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
11:06	11/14/2024	S	1	BH01 @ 0'		1						X						
11:11	11/14/2024	S	1	BH01 @ 1'		2						X						
10:53	11/14/2024	S	1	BH02 @ 0'		3						X						
10:58	11/14/2024	S	1	BH02 @ 1'		4						X						
13:35	11/14/2024	S	1	BH03 @ 0'		5						X						
13:40	11/14/2024	S	1	BH03 @ 1'		6						X						
13:22	11/14/2024	S	1	BH04 @ 0'		7						X						
13:26	11/14/2024	S	1	BH04 @ 1'		8						X						
12:26	11/14/2024	S	1	BH05 @ 0'		9						X						
12:40	11/14/2024	S	1	BH05 @ 1'		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-15-24	11:10	Michelle Gonzalez	11-15-24	1110
Michelle Gonzalez	11.15.24	1545		11.15.24	1700
Andrew M.	11.15.24	2330	Cuth Mac	11.18.24	8:00

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 11/18/2024 11:02:50AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	11/18/24 08:00	Work Order ID:	E411168
Phone:	(972) 371-5200	Date Logged In:	11/15/24 15:15	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/22/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborn 123 Well Pad
Work Order:	E411188
Job Number:	23003-0002
Received:	11/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/25/24

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: 11/25/24

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

Project Name: Dee Osborn 123 Well Pad
Workorder: E411188
Date Received: 11/19/2024 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/19/2024 6:00:00AM, under the Project Name: Dee Osborn 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborn 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

SS01 @ 0’ 6

SS02 @ 0’ 7

SS03 @ 0’ 8

SS04 @ 0’ 9

SS05 @ 0’ 10

SS06 @ 0’ 11

SS07 @ 0’ 12

SS08 @ 0’ 13

SS09 @ 0’ 14

SS10 @ 0’ 15

SS11 @ 0’ 16

SS12 @ 0’ 17

SS13 @ 0’ 18

SS14 @ 0’ 19

SS15 @ 0’ 20

SS16 @ 0’ 21

SS17 @ 0’ 22

SS18 @ 0’ 23

BH06 @ 0’ 24

BH06 @ 1’ 25

Table of Contents (continued)

BH07 @ 0’ 26

BH07 @ 1’ 27

BH08 @ 0’ 28

BH08 @ 0.5’ 29

BH09 @ 0’ 30

BH09 @ 0.5’ 31

QC Summary Data 32

QC - Volatile Organic Compounds by EPA8260B 32

QC - Volatile Organics by EPA 8021B 33

QC - Nonhalogenated Organics by EPA 8015D - GRO 34

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 36

QC - Anions by EPA 300.0/9056A 38

Definitions and Notes 40

Chain of Custody etc. 41

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/24 09:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 @ 0'	E411188-01A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS02 @ 0'	E411188-02A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS03 @ 0'	E411188-03A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS04 @ 0'	E411188-04A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS05 @ 0'	E411188-05A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS06 @ 0'	E411188-06A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS07 @ 0'	E411188-07A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS08 @ 0'	E411188-08A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS09 @ 0'	E411188-09A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS10 @ 0'	E411188-10A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS11 @ 0'	E411188-11A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS12 @ 0'	E411188-12A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS13 @ 0'	E411188-13A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS14 @ 0'	E411188-14A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS15 @ 0'	E411188-15A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS16 @ 0'	E411188-16A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS17 @ 0'	E411188-17A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
SS18 @ 0'	E411188-18A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
BH06 @ 0'	E411188-19A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
BH06 @ 1'	E411188-20A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
BH07 @ 0'	E411188-21A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
BH07 @ 1'	E411188-22A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
BH07 @ 2'	E411188-23A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
BH08 @ 0'	E411188-24A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
BH08 @ 0.5'	E411188-25A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
BH09 @ 0'	E411188-26A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
BH09 @ 0.5'	E411188-27A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS01 @ 0'

E411188-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/19/24	
Surrogate: n-Nonane		*99.2 %*	*50-200*	*11/19/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	**317**	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS02 @ 0'

E411188-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/19/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/19/24*	*11/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	**110**	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS03 @ 0'

E411188-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS04 @ 0'

E411188-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS05 @ 0'

E411188-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/21/24	
Toluene	ND	0.0250	1	11/19/24	11/21/24	
o-Xylene	ND	0.0250	1	11/19/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	**21.0**	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS06 @ 0'

E411188-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/21/24	
Toluene	ND	0.0250	1	11/19/24	11/21/24	
o-Xylene	ND	0.0250	1	11/19/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	**22.0**	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS07 @ 0'

E411188-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/21/24	
Toluene	ND	0.0250	1	11/19/24	11/21/24	
o-Xylene	ND	0.0250	1	11/19/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	**25.7**	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS08 @ 0'

E411188-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/21/24	
Toluene	ND	0.0250	1	11/19/24	11/21/24	
o-Xylene	ND	0.0250	1	11/19/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	**33.8**	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS09 @ 0'

E411188-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/21/24	
Toluene	ND	0.0250	1	11/19/24	11/21/24	
o-Xylene	ND	0.0250	1	11/19/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS10 @ 0'

E411188-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/21/24	
Toluene	ND	0.0250	1	11/19/24	11/21/24	
o-Xylene	ND	0.0250	1	11/19/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	**78.0**	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS11 @ 0'

E411188-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/21/24	
Toluene	ND	0.0250	1	11/19/24	11/21/24	
o-Xylene	ND	0.0250	1	11/19/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	**43.8**	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS12 @ 0'

E411188-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/21/24	
Toluene	ND	0.0250	1	11/19/24	11/21/24	
o-Xylene	ND	0.0250	1	11/19/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*99.1 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS13 @ 0'

E411188-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/21/24	
Toluene	ND	0.0250	1	11/19/24	11/21/24	
o-Xylene	ND	0.0250	1	11/19/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS14 @ 0'

E411188-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/21/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/21/24	
Toluene	ND	0.0250	1	11/19/24	11/21/24	
o-Xylene	ND	0.0250	1	11/19/24	11/21/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/21/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/21/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*11/19/24*	*11/21/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS15 @ 0'

E411188-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/22/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/22/24	
Toluene	ND	0.0250	1	11/19/24	11/22/24	
o-Xylene	ND	0.0250	1	11/19/24	11/22/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/22/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS16 @ 0'

E411188-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/22/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/22/24	
Toluene	ND	0.0250	1	11/19/24	11/22/24	
o-Xylene	ND	0.0250	1	11/19/24	11/22/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/22/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS17 @ 0'

E411188-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/22/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/22/24	
Toluene	ND	0.0250	1	11/19/24	11/22/24	
o-Xylene	ND	0.0250	1	11/19/24	11/22/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/22/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

SS18 @ 0'

E411188-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/22/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/22/24	
Toluene	ND	0.0250	1	11/19/24	11/22/24	
o-Xylene	ND	0.0250	1	11/19/24	11/22/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/22/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

BH06 @ 0'

E411188-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/22/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/22/24	
Toluene	ND	0.0250	1	11/19/24	11/22/24	
o-Xylene	ND	0.0250	1	11/19/24	11/22/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/22/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

BH06 @ 1'

E411188-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Benzene	ND	0.0250	1	11/19/24	11/22/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/22/24	
Toluene	ND	0.0250	1	11/19/24	11/22/24	
o-Xylene	ND	0.0250	1	11/19/24	11/22/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/22/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/22/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447026
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*11/19/24*	*11/22/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/19/24*	*11/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2447092
Chloride	ND	20.0	1	11/21/24	11/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

BH07 @ 0'

E411188-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447045
Diesel Range Organics (C10-C28)	**201**	25.0	1	11/19/24	11/21/24	
Oil Range Organics (C28-C36)	**56.8**	50.0	1	11/19/24	11/21/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/19/24*	*11/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447093
Chloride	**275**	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

BH07 @ 1'

E411188-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/21/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/19/24*	*11/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447093
Chloride	**150**	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

BH08 @ 0'

E411188-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/21/24	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*11/19/24*	*11/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447093
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

BH08 @ 0.5'

E411188-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/21/24	
Surrogate: n-Nonane		*95.1 %*	*50-200*	*11/19/24*	*11/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447093
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

BH09 @ 0'

E411188-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/21/24	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*11/19/24*	*11/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447093
Chloride	ND	20.0	1	11/21/24	11/21/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

BH09 @ 0.5'

E411188-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2447030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/19/24*	*11/20/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*11/19/24*	*11/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2447045
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/21/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*11/19/24*	*11/21/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2447093
Chloride	ND	20.0	1	11/21/24	11/21/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447030-BLK1)									Prepared: 11/19/24 Analyzed: 11/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.543*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.2*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
LCS (2447030-BS1)									Prepared: 11/19/24 Analyzed: 11/20/24
Benzene	2.52	0.0250	2.50		101	70-130			
Ethylbenzene	2.56	0.0250	2.50		103	70-130			
Toluene	2.58	0.0250	2.50		103	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.17	0.0500	5.00		103	70-130			
Total Xylenes	7.77	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	*0.534*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
LCS Dup (2447030-BSD1)									Prepared: 11/19/24 Analyzed: 11/20/24
Benzene	2.54	0.0250	2.50		101	70-130	0.554	23	
Ethylbenzene	2.54	0.0250	2.50		101	70-130	1.04	27	
Toluene	2.55	0.0250	2.50		102	70-130	1.17	24	
o-Xylene	2.62	0.0250	2.50		105	70-130	0.901	27	
p,m-Xylene	5.22	0.0500	5.00		104	70-130	0.837	27	
Total Xylenes	7.84	0.0250	7.50		104	70-130	0.859	27	
Surrogate: Bromofluorobenzene	*0.543*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447026-BLK1)									Prepared: 11/19/24 Analyzed: 11/21/24
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	*7.67*		*8.00*		*95.8*	*70-130*			
LCS (2447026-BS1)									Prepared: 11/19/24 Analyzed: 11/21/24
Benzene	5.29	0.0250	5.00		106	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.08	0.0250	5.00		102	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.7*	*70-130*			
LCS Dup (2447026-BSD1)									Prepared: 11/19/24 Analyzed: 11/21/24
Benzene	5.31	0.0250	5.00		106	70-130	0.507	20	
Ethylbenzene	5.10	0.0250	5.00		102	70-130	0.372	20	
Toluene	5.22	0.0250	5.00		104	70-130	0.371	20	
o-Xylene	5.10	0.0250	5.00		102	70-130	0.302	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	0.297	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	0.299	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447026-BLK1)									Prepared: 11/19/24 Analyzed: 11/21/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.8*	*70-130*			
LCS (2447026-BS2)									Prepared: 11/19/24 Analyzed: 11/22/24
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			
LCS Dup (2447026-BSD2)									Prepared: 11/19/24 Analyzed: 11/21/24
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.3	70-130	2.35	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447030-BLK1)									Prepared: 11/19/24 Analyzed: 11/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.543*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.2*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
LCS (2447030-BS2)									Prepared: 11/19/24 Analyzed: 11/20/24
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		92.9	70-130			
Surrogate: Bromofluorobenzene	*0.535*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
LCS Dup (2447030-BSD2)									Prepared: 11/19/24 Analyzed: 11/20/24
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.4	70-130	1.53	20	
Surrogate: Bromofluorobenzene	*0.539*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.533*		*0.500*		*107*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447038-BLK1)									Prepared: 11/19/24 Analyzed: 11/19/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*50-200*			
LCS (2447038-BS1)									Prepared: 11/19/24 Analyzed: 11/19/24
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*50-200*			
Matrix Spike (2447038-MS1)				**Source: E411188-12**					Prepared: 11/19/24 Analyzed: 11/19/24
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	*53.7*		*50.0*		*107*	*50-200*			
Matrix Spike Dup (2447038-MSD1)				**Source: E411188-12**					Prepared: 11/19/24 Analyzed: 11/19/24
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	2.46	20	
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447045-BLK1)									Prepared: 11/19/24 Analyzed: 11/21/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.9*		*50.0*		*104*	*50-200*			
LCS (2447045-BS1)									Prepared: 11/19/24 Analyzed: 11/21/24
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			
Matrix Spike (2447045-MS1)				**Source: E411188-24**					Prepared: 11/19/24 Analyzed: 11/21/24
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	*53.5*		*50.0*		*107*	*50-200*			
Matrix Spike Dup (2447045-MSD1)				**Source: E411188-24**					Prepared: 11/19/24 Analyzed: 11/21/24
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132	8.12	20	
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447092-BLK1)									Prepared: 11/21/24 Analyzed: 11/21/24
Chloride	ND	20.0							
LCS (2447092-BS1)									Prepared: 11/21/24 Analyzed: 11/21/24
Chloride	251	20.0	250		100	90-110			
LCS Dup (2447092-BSD1)									Prepared: 11/21/24 Analyzed: 11/21/24
Chloride	251	20.0	250		100	90-110	0.133	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/2024 9:43:00AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2447093-BLK1)									Prepared: 11/21/24 Analyzed: 11/21/24
Chloride	ND	20.0							
LCS (2447093-BS1)									Prepared: 11/21/24 Analyzed: 11/21/24
Chloride	252	20.0	250		101	90-110			
LCS Dup (2447093-BSD1)									Prepared: 11/21/24 Analyzed: 11/21/24
Chloride	253	20.0	250		101	90-110	0.328	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/25/24 09:43

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411188	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0902	11/15/2024	S	1	SS01 @ 0'		1						X						
0906	11/15/2024	S	1	SS02 @ 0'		2						X						
1156	11/15/2024	S	1	SS03 @ 0'		3						X						
1200	11/15/2024	S	1	SS04 @ 0'		4						X						
1202	11/15/2024	S	1	SS05 @ 0'		5						X						
1206	11/15/2024	S	1	SS06 @ 0'		6						X						
1209	11/15/2024	S	1	SS07 @ 0'		7						X						
1212	11/15/2024	S	1	SS08 @ 0'		8						X						
1216	11/15/2024	S	1	SS09 @ 0'		9						X						
1301	11/15/2024	S	1	SS10@0'		10						X						

Analysis and Method: EPA Program: SDWA | CWA | RCRA; Compliance Y or N; PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-18-24	1030	Michelle Gonzales	11-18-24	1030
Michelle Gonzales	11-18-24	1615		11.18.24	1654
	11.18.24	2220	Cartha Mar	11.19.24	0:00

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

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411188	Job Number 23003.0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
1221	11/15/2024	S	1	SS11 @ 0'		11						X						
1112	11/15/2024	S	1	SS12 @ 0'		12						X						
1118	11/15/2024	S	1	SS13 @ 0'		13						X						
1108	11/15/2024	S	1	SS14 @ 0'		14						X						
1101	11/15/2024	S	1	SS15 @ 0'		15						X						
1059	11/15/2024	S	1	SS16 @ 0'		16						X						
1056	11/15/2024	S	1	SS17 @ 0'		17						X						
1054	11/15/2024	S	1	SS18 @ 0'		18						X						
0720	11/15/2024	S	1	BH06 @ 0'		19						X						
0730	11/15/2024	S	1	BH06 @ 1'		20						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-18-24	1030	Michelle Gonzales	11-18-24	1030
Michelle Gonzales	11-18-24	1615		11-18-24	1657
	11.18.24	2220	Cath Mar	11.19.24	0:00

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: MATADOR PRODUCTION COMPANY	Company: Ensolum LLC	Lab WO# E411188	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1334	11/15/2024	S	1	BH07 @ 0'		21						X						
1338	11/15/2024	S	1	BH07 @ 1'		22						X						
1340	11/15/2024	S	1	BH07 @ 2'		23						X						DO NOT RUN FOR BGDOG UNLESS BH07 1' IS >100 TPH OR 600 CL
1043	11/15/2024	S	1	BH08 @ 0'		24						X						
1044	11/15/2024	S	1	BH08 @ 0.5'		25						X						
1036	11/15/2024	S	1	BH09 @ 0'		26						X						
1038	11/15/2024	S	1	BH09 @ 0.5'		27						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-18-24	1030	Michelle Gonzales	11-18-24	1030
Michelle Gonzales	11-18-24	1615		11.18.24	1657
	11.18.24	2220	Cath Mar	11.19.24	6:00

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 11/19/2024 8:30:33AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	11/19/24 06:00	Work Order ID:	E411188
Phone:	(972) 371-5200	Date Logged In:	11/18/24 14:58	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/25/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Client Comment on sample #23- Do not run for BGDOC unless BH07 1 is> 100 TPH or 600 CL.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborn 123 Well Pad
Work Order:	E412062
Job Number:	23003-0002
Received:	12/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/11/24

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: 12/11/24

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

Project Name: Dee Osborn 123 Well Pad
Workorder: E412062
Date Received: 12/10/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/10/2024 7:00:00AM, under the Project Name: Dee Osborn 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborn 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

BH14-0’ 5

BH14- 0.5’ 6

QC Summary Data 7

QC - Volatile Organics by EPA 8021B 7

QC - Nonhalogenated Organics by EPA 8015D - GRO 8

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 9

QC - Anions by EPA 300.0/9056A 10

Definitions and Notes 11

Chain of Custody etc. 12

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/24 13:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH14-0'	E412062-01A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
BH14- 0.5'	E412062-02A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 1:16:33PM

BH14-0'

E412062-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450020
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450021
Diesel Range Organics (C10-C28)	**25.9**	25.0	1	12/10/24	12/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/10/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/10/24*	*12/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 1:16:33PM

BH14- 0.5'

E412062-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450020
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.9 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450021
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/10/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/10/24*	*12/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	**46.8**	20.0	1	12/10/24	12/10/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 1:16:33PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450020-BLK1)									Prepared: 12/10/24 Analyzed: 12/10/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.82*		*8.00*		*85.2*	*70-130*			
LCS (2450020-BS1)									Prepared: 12/10/24 Analyzed: 12/10/24
Benzene	4.52	0.0250	5.00		90.4	70-130			
Ethylbenzene	4.35	0.0250	5.00		87.0	70-130			
Toluene	4.46	0.0250	5.00		89.1	70-130			
o-Xylene	4.37	0.0250	5.00		87.3	70-130			
p,m-Xylene	8.86	0.0500	10.0		88.6	70-130			
Total Xylenes	13.2	0.0250	15.0		88.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.84*		*8.00*		*85.5*	*70-130*			
Matrix Spike (2450020-MS1)				**Source: E412060-04**					Prepared: 12/10/24 Analyzed: 12/10/24
Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	61-133			
Toluene	5.00	0.0250	5.00	ND	100	61-130			
o-Xylene	4.87	0.0250	5.00	ND	97.5	63-131			
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.93*		*8.00*		*86.6*	*70-130*			
Matrix Spike Dup (2450020-MSD1)				**Source: E412060-04**					Prepared: 12/10/24 Analyzed: 12/10/24
Benzene	4.91	0.0250	5.00	ND	98.1	54-133	3.02	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	3.21	20	
Toluene	4.84	0.0250	5.00	ND	96.8	61-130	3.23	20	
o-Xylene	4.73	0.0250	5.00	ND	94.6	63-131	3.01	20	
p,m-Xylene	9.63	0.0500	10.0	ND	96.3	63-131	3.22	20	
Total Xylenes	14.4	0.0250	15.0	ND	95.8	63-131	3.15	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.95*		*8.00*		*86.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 1:16:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450020-BLK1)									Prepared: 12/10/24 Analyzed: 12/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.8*	*70-130*			
LCS (2450020-BS2)									Prepared: 12/10/24 Analyzed: 12/10/24
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0		80.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
Matrix Spike (2450020-MS2)				**Source: E412060-04**					Prepared: 12/10/24 Analyzed: 12/10/24
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2450020-MSD2)				**Source: E412060-04**					Prepared: 12/10/24 Analyzed: 12/10/24
Gasoline Range Organics (C6-C10)	40.2	20.0	50.0	ND	80.3	70-130	4.78	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 1:16:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450021-BLK1)									Prepared: 12/10/24 Analyzed: 12/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.5*		*50.0*		*113*	*50-200*			
LCS (2450021-BS1)									Prepared: 12/10/24 Analyzed: 12/10/24
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
Matrix Spike (2450021-MS1)				**Source: E412064-01**					Prepared: 12/10/24 Analyzed: 12/10/24
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*58.1*		*50.0*		*116*	*50-200*			
Matrix Spike Dup (2450021-MSD1)				**Source: E412064-01**					Prepared: 12/10/24 Analyzed: 12/10/24
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.1	38-132	6.69	20	
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 1:16:33PM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450029-BLK1)									Prepared: 12/10/24 Analyzed: 12/10/24
Chloride	ND	20.0							
LCS (2450029-BS1)									Prepared: 12/10/24 Analyzed: 12/10/24
Chloride	255	20.0	250		102	90-110			
LCS Dup (2450029-BSD1)									Prepared: 12/10/24 Analyzed: 12/10/24
Chloride	254	20.0	250		102	90-110	0.158	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/24 13:16

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E412062	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
8:56	12/6/2024	S	1	BH14 - 0'		1						X						
8:57	12/6/2024	S	1	BH14 ~~- 0' H00~~ 0.5'		2						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12-9-24	0800		12.9.24	1200
	12.9.24	1630		12.9.24	1630
	12.9.24	2230		12.10.24	7:00

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 12/10/2024 9:11:52AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/10/24 07:00	Work Order ID:	E412062
Phone:	(972) 371-5200	Date Logged In:	12/09/24 15:15	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	12/16/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

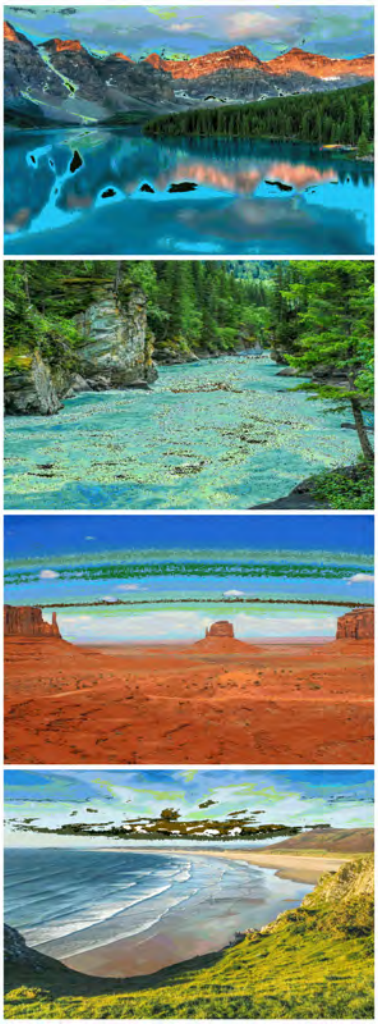
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborn 123 Well Pad
Work Order:	E412063
Job Number:	23003-0002
Received:	12/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/11/24

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: 12/11/24

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

Project Name: Dee Osborn 123 Well Pad
Workorder: E412063
Date Received: 12/10/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/10/2024 7:00:00AM, under the Project Name: Dee Osborn 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborn 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- BH10 - 0’ 5
- BH10 - 0.5’ 6
- BH11 - 0’ 7
- BH11 - 0.5’ 8
- BH12 - 0’ 9
- BH12 - 0.5’ 10
- BH13 - 0’ 11
- BH13 - 0.5’ 12
- SS19 - 0’ 13
- SS20 - 0’ 14
- SS21 - 0’ 15

QC Summary Data 16

- QC - Volatile Organics by EPA 8021B 16
- QC - Nonhalogenated Organics by EPA 8015D - GRO 17
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 18
- QC - Anions by EPA 300.0/9056A 19

Definitions and Notes 20

Chain of Custody etc. 21

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/24 11:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH10 - 0'	E412063-01A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
BH10 - 0.5'	E412063-02A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
BH11 - 0'	E412063-03A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
BH11 - 0.5'	E412063-04A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
BH12 - 0'	E412063-05A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
BH12 - 0.5'	E412063-06A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
BH13 - 0'	E412063-07A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
BH13 - 0.5'	E412063-08A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
SS19 - 0'	E412063-09A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
SS20 - 0'	E412063-10A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
SS21 - 0'	E412063-11A	Soil	12/06/24	12/10/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

BH10 - 0'

E412063-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

BH10 - 0.5'

E412063-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.7 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

BH11 - 0'

E412063-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.6 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

BH11 - 0.5'

E412063-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.7 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

BH12 - 0'

E412063-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.9 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

BH12 - 0.5'

E412063-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

BH13 - 0'

E412063-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.1 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

BH13 - 0.5'

E412063-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.3 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

SS19 - 0'

E412063-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.0 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*97.3 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

SS20 - 0'

E412063-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.5 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

SS21 - 0'

E412063-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*84.8 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2450028
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*12/10/24*	*12/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/10/24*	*12/11/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2450029
Chloride	ND	20.0	1	12/10/24	12/10/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450028-BLK1)									Prepared: 12/10/24 Analyzed: 12/10/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.95*		*8.00*		*86.9*	*70-130*			
LCS (2450028-BS1)									Prepared: 12/10/24 Analyzed: 12/10/24
Benzene	4.85	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130			
Toluene	4.77	0.0250	5.00		95.5	70-130			
o-Xylene	4.66	0.0250	5.00		93.3	70-130			
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130			
Total Xylenes	14.1	0.0250	15.0		94.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.00*		*8.00*		*87.5*	*70-130*			
LCS Dup (2450028-BSD1)									Prepared: 12/10/24 Analyzed: 12/10/24
Benzene	4.89	0.0250	5.00		97.9	70-130	0.971	20	
Ethylbenzene	4.73	0.0250	5.00		94.5	70-130	1.36	20	
Toluene	4.83	0.0250	5.00		96.6	70-130	1.22	20	
o-Xylene	4.73	0.0250	5.00		94.7	70-130	1.49	20	
p,m-Xylene	9.61	0.0500	10.0		96.1	70-130	1.35	20	
Total Xylenes	14.3	0.0250	15.0		95.6	70-130	1.40	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.91*		*8.00*		*86.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450028-BLK1)									Prepared: 12/10/24 Analyzed: 12/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.5*	*70-130*			
LCS (2450028-BS2)									Prepared: 12/10/24 Analyzed: 12/10/24
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0		83.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
LCS Dup (2450028-BSD2)									Prepared: 12/10/24 Analyzed: 12/11/24
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.7	70-130	6.58	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.98*		*8.00*		*99.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450024-BLK1)									Prepared: 12/10/24 Analyzed: 12/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.9*		*50.0*		*108*	*50-200*			
LCS (2450024-BS1)									Prepared: 12/10/24 Analyzed: 12/10/24
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			
Matrix Spike (2450024-MS1)				**Source: E412063-03**					Prepared: 12/10/24 Analyzed: 12/10/24
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132			
Surrogate: n-Nonane	*57.3*		*50.0*		*115*	*50-200*			
Matrix Spike Dup (2450024-MSD1)				**Source: E412063-03**					Prepared: 12/10/24 Analyzed: 12/10/24
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	3.23	20	
Surrogate: n-Nonane	*58.3*		*50.0*		*117*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/2024 11:42:12AM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450029-BLK1)									Prepared: 12/10/24 Analyzed: 12/10/24
Chloride	ND	20.0							
LCS (2450029-BS1)									Prepared: 12/10/24 Analyzed: 12/10/24
Chloride	255	20.0	250		102	90-110			
LCS Dup (2450029-BSD1)									Prepared: 12/10/24 Analyzed: 12/10/24
Chloride	254	20.0	250		102	90-110	0.158	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborn 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/11/24 11:42

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E412063	Job Number 23003-0052	1D 2D 3D Std: X	NM CO UT TX: X
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
9:15	12/6/2024	S	1	BH10 - 0'		1						X						
9:16	12/6/2024	S	1	BH10 - 0.5'		2						X						
9:02	12/6/2024	S	1	BH11 - 0'		3						X						
9:03	12/6/2024	S	1	BH11 - 0.5'		4						X						
9:07	12/6/2024	S	1	BH12 - 0'		5						X						
9:08	12/6/2024	S	1	BH12 - 0.5'		6						X						
9:11	12/6/2024	S	1	BH13 - 0'		7						X						
9:12	12/6/2024	S	1	BH13 - 0.5'		8						X						
9:20	12/6/2024	S	1	SS19 - 0'		9						X						
~~9:25~~ 0922	12/6/2024	S	1	SS20 - 0'		10						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12-9-24	0800		12.9.24	1145
	12.9.24	1630		12.9.24	1630
	12.9.24	2230		12.10.24	7:00

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E412063	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
9:25	12/6/2024	S	1	SS21 - 0'		11						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12-9-24	0800		12.9.24	1200
	12.9.24	1630		12.9.24	1630
	12.9.24	2230		12.10.24	7:00

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 12/10/2024 9:15:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	12/10/24 07:00	Work Order ID:	E412063
Phone:	(972) 371-5200	Date Logged In:	12/09/24 15:18	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	12/16/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

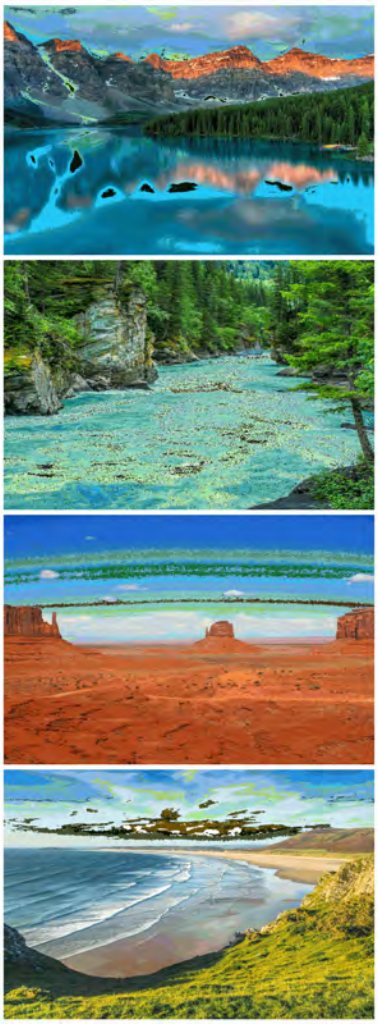
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503119
Job Number:	23003-0002
Received:	3/15/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/25

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

Date Reported: 4/1/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503119
Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS127-0.5’ 6

FS147-0.5’ 7

FS194-0.5’ 8

FS221-0.5’ 9

FS235-0.5’ 10

FS239-0.5’ 11

FS177-0.5’ 12

FS169-0.5’ 13

FS181-0.5’ 14

FS192-0.5’ 15

FS176-0.5’ 16

FS193-0.5’ 17

FS196-0.5’ 18

FS195-0.5’ 19

FS184-0.5’ 20

FS191-0.5’ 21

FS190-0.5’ 22

FS173-0.5’ 23

FS185-0.5’ 24

FS187-0.5’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/01/25 11:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS127-0.5'	E503119-01A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS147-0.5'	E503119-02A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS194-0.5'	E503119-03A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS221-0.5'	E503119-04A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS235-0.5'	E503119-05A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS239-0.5'	E503119-06A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS177-0.5'	E503119-07A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS169-0.5'	E503119-08A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS181-0.5'	E503119-09A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS192-0.5'	E503119-10A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS176-0.5'	E503119-11A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS193-0.5'	E503119-12A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS196-0.5'	E503119-13A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS195-0.5'	E503119-14A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS184-0.5'	E503119-15A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS191-0.5'	E503119-16A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS190-0.5'	E503119-17A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS173-0.5'	E503119-18A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS185-0.5'	E503119-19A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS187-0.5'	E503119-20A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS127-0.5'

E503119-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*97.4 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**28.7**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS147-0.5'

E503119-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*97.3 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**47.5**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS194-0.5'

E503119-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**36.8**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS221-0.5'

E503119-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.3 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*98.4 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**91.6**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS235-0.5'

E503119-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*97.6 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**76.2**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS239-0.5'

E503119-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*96.7 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**51.9**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS177-0.5'

E503119-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.8 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	**37.7**	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*99.4 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**180**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS169-0.5'

E503119-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.6 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*97.4 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**46.2**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS181-0.5'

E503119-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.6 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	**82.3**	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*98.8 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**268**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS192-0.5'

E503119-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	**59.3**	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*97.4 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**277**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS176-0.5'

E503119-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	**85.6**	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*99.6 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**269**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS193-0.5'

E503119-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.2 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*97.5 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**223**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS196-0.5'

E503119-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.4 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*97.4 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**47.5**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS195-0.5'

E503119-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.9 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*98.4 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**127**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS184-0.5'

E503119-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	**25.9**	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*97.8 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**102**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS191-0.5'

E503119-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	**67.3**	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*94.8 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**155**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS190-0.5'

E503119-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	**27.6**	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*95.1 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**99.6**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS173-0.5'

E503119-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	**154**	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**251**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS185-0.5'

E503119-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	**31.5**	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*99.3 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**108**	20.0	1	03/17/25	03/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

FS187-0.5'

E503119-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511096
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512005
Diesel Range Organics (C10-C28)	**32.5**	25.0	1	03/17/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/17/25	
Surrogate: n-Nonane		*98.2 %*	*61-141*	*03/17/25*	*03/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512018
Chloride	**60.3**	20.0	1	03/17/25	03/17/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2511096-BLK1)									Prepared: 03/15/25 Analyzed: 03/16/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			
LCS (2511096-BS1)									Prepared: 03/15/25 Analyzed: 03/16/25
Benzene	4.62	0.0250	5.00		92.4	70-130			
Ethylbenzene	4.55	0.0250	5.00		91.0	70-130			
Toluene	4.63	0.0250	5.00		92.6	70-130			
o-Xylene	4.58	0.0250	5.00		91.6	70-130			
p,m-Xylene	9.15	0.0500	10.0		91.5	70-130			
Total Xylenes	13.7	0.0250	15.0		91.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.88*		*8.00*		*98.6*	*70-130*			
Matrix Spike (2511096-MS1)				**Source: E503119-06**					Prepared: 03/15/25 Analyzed: 03/16/25
Benzene	4.87	0.0250	5.00	ND	97.4	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130			
Toluene	4.88	0.0250	5.00	ND	97.6	70-130			
o-Xylene	4.83	0.0250	5.00	ND	96.7	70-130			
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike Dup (2511096-MSD1)				**Source: E503119-06**					Prepared: 03/15/25 Analyzed: 03/16/25
Benzene	4.53	0.0250	5.00	ND	90.6	70-130	7.25	27	
Ethylbenzene	4.44	0.0250	5.00	ND	88.7	70-130	7.90	26	
Toluene	4.52	0.0250	5.00	ND	90.5	70-130	7.60	20	
o-Xylene	4.45	0.0250	5.00	ND	89.1	70-130	8.20	25	
p,m-Xylene	8.91	0.0500	10.0	ND	89.1	70-130	7.94	23	
Total Xylenes	13.4	0.0250	15.0	ND	89.1	70-130	8.03	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2511096-BLK1)									Prepared: 03/15/25 Analyzed: 03/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			
LCS (2511096-BS2)									Prepared: 03/15/25 Analyzed: 03/16/25
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			
Matrix Spike (2511096-MS2)				**Source: E503119-06**					Prepared: 03/15/25 Analyzed: 03/16/25
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.8*	*70-130*			
Matrix Spike Dup (2511096-MSD2)				**Source: E503119-06**					Prepared: 03/15/25 Analyzed: 03/16/25
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130	3.61	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512005-BLK1)									Prepared: 03/17/25 Analyzed: 03/17/25
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*	*61-141*			
LCS (2512005-BS1)									Prepared: 03/17/25 Analyzed: 03/17/25
Diesel Range Organics (C10-C28)	220	25.0	250		88.1	66-144			
Surrogate: n-Nonane	*47.4*		*50.0*		*94.8*	*61-141*			
Matrix Spike (2512005-MS1)				**Source: E503119-12**					Prepared: 03/17/25 Analyzed: 03/17/25
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.3	56-156			
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*61-141*			
Matrix Spike Dup (2512005-MSD1)				**Source: E503119-12**					Prepared: 03/17/25 Analyzed: 03/17/25
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.7	56-156	0.620	20	
Surrogate: n-Nonane	*49.0*		*50.0*		*98.0*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:39:51AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512018-BLK1)									Prepared: 03/17/25 Analyzed: 03/17/25
Chloride	ND	20.0							
LCS (2512018-BS1)									Prepared: 03/17/25 Analyzed: 03/17/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2512018-MS1)				**Source: E503119-05**					Prepared: 03/17/25 Analyzed: 03/17/25
Chloride	336	20.0	250	76.2	104	80-120			
Matrix Spike Dup (2512018-MSD1)				**Source: E503119-05**					Prepared: 03/17/25 Analyzed: 03/17/25
Chloride	337	20.0	250	76.2	104	80-120	0.497	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/01/25 11:39

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Matador	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	E503119	23003-0002				X	X				
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220											
Address: 3122 National Parks Hwy	Phone: 575-988-0055											
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com											
Phone: 575-988-0055	Miscellaneous:											
Email: agiovengo@ensolum.com												

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
827	3/13/25	Soil	1	FS127-0.5'		1						X						
837				147		2						X						
835				194		3						X						
831				221		4						X						
833				235		5						X						
829				293		6						X						
1106				177		7						X						
1103				169		8						X						
1108				181		9						X						
1111				192		10						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/14/25	7:11	Michelle Gonzales	3-14-25	1030
Michelle Gonzales	3-14-25	1650	[signature]	3.14.25	1700
[signature]	3.14.25	2130	Noe Soto	3-15-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM

Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503119	Job Number 23003-0002	1D 2D 3D Std: Std	NM CO UT TX: NM
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1105	3/13/25	Soil	1	FS176-0-5'		11						X						
1110	↓	↓	↓	193		12						X						
1122				196		13						X						
1123				195		14						X						
1115				184		15						X						
1112				191		16						X						
1113				190		17						X						
1104				173		18						X						
1121				185		19						X						
1120	↓	↓	↓	187	↓	20						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/14/25	7:11	Michelle Gonzales	3.14.25	1030
Michelle Gonzales	3.14.25	1650	[signature]	3.14.25	1700
[signature]	3.14.25	2130	Noe Soto	3.15.25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/17/2025 9:15:15AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/15/25 04:00	Work Order ID:	E503119
Phone:	(972) 371-5200	Date Logged In:	03/14/25 15:11	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/21/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 2 reports due to sampled volume. WO are E503119 & E503120.

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503119	Job Number 23003-0002	1D 2D 3D Std: X
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			NM: X CO UT TX
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
827	3/13/25	Soil	1	FS127-0.5'		1						X			Changed
837				147		2						X			Sample name per G.H.
835				194		3						X			NS 4/1/25
831				221		4						X			
833				235		5						X			
829				NS 4/1/25 239 ~~243~~		6						X			
1106				177		7						X			
1103				169		8						X			
1108				+181		9						X			
1111				192		10						X			

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/14/25	7:11	Michelle Gonzales	3-14-25	1030
Michelle Gonzales	3-14-25	1650	[signature]	3.14.25	1700
[signature]	3.14.25	2130	Noe Soto	3.15.25	0400

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

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Page 185 of 1003

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503119	Job Number 23003-0002	1D 2D 3D Std: Std
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			NM CO UT TX: NM
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1105	3/13/25	Soil	1	FS176-0-5'		11						X			
1110	↓	↓	↓	193		12						X			
1122				196		13						X			
1123				195		14						X			
1115				184		15						X			
1112				191		16						X			
1113				190		17						X			
1104				173		18						X			
1121				185+		19						X			
1120	↓	↓	↓	187	↓	20						X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance | Y | or | N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/14/25	7:11	Michelle Gonzales	3.14.25	1030
Michelle Gonzales	3.14.25	1650	[signature]	3.14.25	1700
[signature]	3.14.25	2130	Noe Soto	3.15.25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

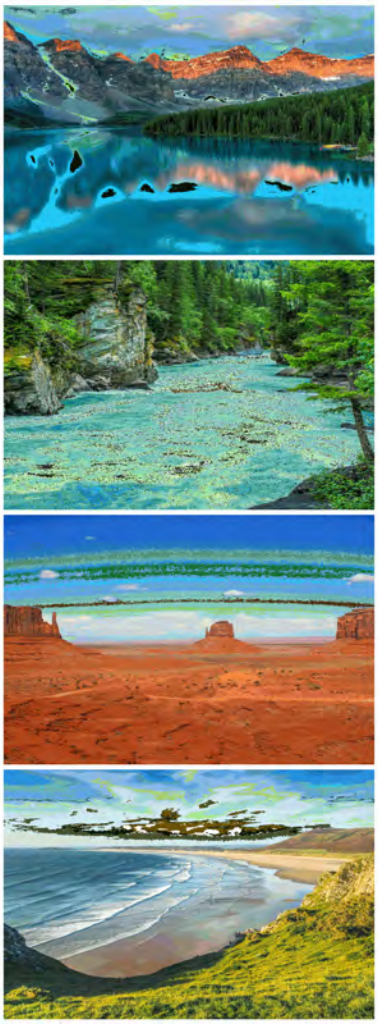
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this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

envirotech

Page 186 of 1003

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503120
Job Number:	23003-0002
Received:	3/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/20/25

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

Date Reported: 3/20/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503120
Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- FS166-0.5’ 5
- FS183-0.5’ 6
- FS186-0.5’ 7
- FS170-0.5’ 8
- FS182-0.5’ 9
- FS168-0.5’ 10
- FS174-0.5’ 11
- FS175-0.5’ 12
- FS167-0.5’ 13
- FS171-0.5’ 14
- FS180-0.5’ 15

QC Summary Data 16

- QC - Volatile Organics by EPA 8021B 16
- QC - Nonhalogenated Organics by EPA 8015D - GRO 17
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 18
- QC - Anions by EPA 300.0/9056A 19

Definitions and Notes 20

Chain of Custody etc. 21

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 10:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS166-0.5'	E503120-01A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS183-0.5'	E503120-02A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS186-0.5'	E503120-03A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS170-0.5'	E503120-04A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS182-0.5'	E503120-05A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS168-0.5'	E503120-06A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS174-0.5'	E503120-07A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS175-0.5'	E503120-08A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS167-0.5'	E503120-09A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS171-0.5'	E503120-10A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS180-0.5'	E503120-11A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS166-0.5'

E503120-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*95.9 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**84.6**	20.0	1	03/17/25	03/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS183-0.5'

E503120-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**107**	20.0	1	03/17/25	03/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS186-0.5'

E503120-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*99.7 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**84.4**	20.0	1	03/17/25	03/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS170-0.5'

E503120-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*97.2 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**65.8**	20.0	1	03/17/25	03/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS182-0.5'

E503120-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	**29.0**	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*96.4 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**94.2**	20.0	1	03/17/25	03/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS168-0.5'

E503120-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*98.2 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**95.2**	20.0	1	03/17/25	03/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS174-0.5'

E503120-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*99.2 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**253**	20.0	1	03/17/25	03/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS175-0.5'

E503120-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	**35.9**	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*99.1 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**678**	20.0	1	03/17/25	03/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS167-0.5'

E503120-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*99.5 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**83.6**	20.0	1	03/17/25	03/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS171-0.5'

E503120-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	**25.2**	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*98.2 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**219**	20.0	1	03/17/25	03/18/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

FS180-0.5'

E503120-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2511097
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*03/15/25*	*03/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512007
Diesel Range Organics (C10-C28)	**153**	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		*98.1 %*	*61-141*	*03/17/25*	*03/18/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512021
Chloride	**420**	20.0	1	03/17/25	03/18/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2511097-BLK1)									Prepared: 03/15/25 Analyzed: 03/15/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.1*	*70-130*			
LCS (2511097-BS1)									Prepared: 03/15/25 Analyzed: 03/15/25
Benzene	5.29	0.0250	5.00		106	70-130			
Ethylbenzene	5.14	0.0250	5.00		103	70-130			
Toluene	5.23	0.0250	5.00		105	70-130			
o-Xylene	5.14	0.0250	5.00		103	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike (2511097-MS1)				**Source: E503120-01**					Prepared: 03/15/25 Analyzed: 03/16/25
Benzene	5.27	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.09	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2511097-MSD1)				**Source: E503120-01**					Prepared: 03/15/25 Analyzed: 03/16/25
Benzene	5.39	0.0250	5.00	ND	108	54-133	2.17	20	
Ethylbenzene	5.20	0.0250	5.00	ND	104	61-133	1.80	20	
Toluene	5.32	0.0250	5.00	ND	106	61-130	1.90	20	
o-Xylene	5.18	0.0250	5.00	ND	104	63-131	1.72	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	1.61	20	
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131	1.64	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.55*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2511097-BLK1)									Prepared: 03/15/25 Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.6*	*70-130*			
LCS (2511097-BS2)									Prepared: 03/15/25 Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0		82.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*70-130*			
Matrix Spike (2511097-MS2)				**Source: E503120-01**					Prepared: 03/15/25 Analyzed: 03/16/25
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.6*	*70-130*			
Matrix Spike Dup (2511097-MSD2)				**Source: E503120-01**					Prepared: 03/15/25 Analyzed: 03/16/25
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.0	70-130	3.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512007-BLK1)									Prepared: 03/17/25 Analyzed: 03/17/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.6*		*50.0*		*95.2*	*61-141*			
LCS (2512007-BS1)									Prepared: 03/17/25 Analyzed: 03/17/25
Diesel Range Organics (C10-C28)	218	25.0	250		87.2	66-144			
Surrogate: n-Nonane	*47.3*		*50.0*		*94.6*	*61-141*			
Matrix Spike (2512007-MS1)				**Source: E503120-06**					Prepared: 03/17/25 Analyzed: 03/18/25
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.4	56-156			
Surrogate: n-Nonane	*48.9*		*50.0*		*97.8*	*61-141*			
Matrix Spike Dup (2512007-MSD1)				**Source: E503120-06**					Prepared: 03/17/25 Analyzed: 03/18/25
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.7	56-156	3.61	20	
Surrogate: n-Nonane	*48.9*		*50.0*		*97.7*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2025 10:22:42AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512021-BLK1)									Prepared: 03/17/25 Analyzed: 03/17/25
Chloride	ND	20.0							
LCS (2512021-BS1)									Prepared: 03/17/25 Analyzed: 03/17/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2512021-MS1)				**Source: E503113-02**					Prepared: 03/17/25 Analyzed: 03/17/25
Chloride	778	20.0	250	598	71.9	80-120			M2
Matrix Spike Dup (2512021-MSD1)				**Source: E503113-02**					Prepared: 03/17/25 Analyzed: 03/17/25
Chloride	817	20.0	250	598	87.5	80-120	4.88	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.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/25 10:22

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503120	Job Number 23003-0002	1D 2D 3D Std: Std X
Project: Dec Osborne 123 well Pad	Address: 3122 National Parks Hwy			NM CO UT TX: NM X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1102	3/13/25	Soil	1	FS166-0.5'		1						X						
1118				183		2						X						
1119				186		3						X						
1100				170		4						X						
1117				182		5						X						
1102				168		6						X						
1058				174		7						X						
1057				175		8						X						
1101				+ 167		9						X						
1059				171		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/14/25	7:11	Michelle Gonzales	3-14-25	1030
Michelle Gonzales	3-14-25	1650	[signature]	3.14.25	1700
[signature]	3.14.25	2130	Noe Soto	3-15-25	0400

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

Lab Use Only

Received on ice: Y / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM

Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Matador	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	E 503120	23003-0002				X	X				
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220											
Address: 3122 National Parks Hwy	Phone: 575-988-0055											
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com											
Phone: 575-988-0055	Miscellaneous:											
Email: agiovengo@ensolum.com												

Sample Information							Analysis and Method											EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				SDWA	CWA	RCRA		
																		Compliance	Y	or	N	
																		PWSID #				
1422	3/13/25	Soil	1	FS180-0.5'		11						X						Remarks				
												X										
												X										
												X										
												X										
												X										
												X										
												X										
				+								X										
												X										

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/14/25	7:11	Michelle Gonzales	3-14-25	1030
Michelle Gonzales	3-14-25	1650		3.14.25	1700
	3.14.25	2130	Noe Soto	3-15-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/17/2025 9:16:16AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/15/25 04:00	Work Order ID:	E503120
Phone:	(972) 371-5200	Date Logged In:	03/14/25 15:17	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/21/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 2 reports due to sampled volume. WO are E503119 & E503120.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503152
Job Number:	23003-0002
Received:	3/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/25/25

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

Date Reported: 3/25/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503152
Date Received: 3/19/2025 4:00:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 4:00:29AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS18-0.5’ 6

FS21-0.5’ 7

FS22-0.5’ 8

FS34-0.5’ 9

FS35-0.5’ 10

FS38-0.5’ 11

FS39-0.5’ 12

FS50-0.5’ 13

FS51-0.5’ 14

FS110-1’ 15

FS111-1’ 16

FS112-1’ 17

FS114-1’ 18

FS131-0.5’ 19

FS134-0.5’ 20

FS135-0.5’ 21

FS136-0.5’ 22

FS137-0.5’ 23

FS147-0.5’ 24

FS148-0.5’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/25/25 08:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS18-0.5'	E503152-01A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS21-0.5'	E503152-02A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS22-0.5'	E503152-03A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS34-0.5'	E503152-04A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS35-0.5'	E503152-05A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS38-0.5'	E503152-06A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS39-0.5'	E503152-07A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS50-0.5'	E503152-08A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS51-0.5'	E503152-09A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS110-1'	E503152-10A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS111-1'	E503152-11A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS112-1'	E503152-12A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS114-1'	E503152-13A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS131-0.5'	E503152-14A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS134-0.5'	E503152-15A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS135-0.5'	E503152-16A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS136-0.5'	E503152-17A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS137-0.5'	E503152-18A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS147-0.5'	E503152-19A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS148-0.5'	E503152-20A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS18-0.5'

E503152-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**201**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS21-0.5'

E503152-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**72.2**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS22-0.5'

E503152-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**113**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS34-0.5'

E503152-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	**33.2**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	**50.4**	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**161**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS35-0.5'

E503152-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**91.1**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS38-0.5'

E503152-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**55.0**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS39-0.5'

E503152-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**52.1**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS50-0.5'

E503152-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**79.4**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS51-0.5'

E503152-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**93.4**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS110-1'

E503152-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**67.5**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS111-1'

E503152-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**42.3**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS112-1'

E503152-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**58.8**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS114-1'

E503152-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**48.2**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS131-0.5'

E503152-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**163**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS134-0.5'

E503152-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**66.5**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS135-0.5'

E503152-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	**35.7**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**116**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS136-0.5'

E503152-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**100**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS137-0.5'

E503152-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	**32.7**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**217**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS147-0.5'

E503152-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**103**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

FS148-0.5'

E503152-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512085
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512081
Chloride	**110**	20.0	1	03/19/25	03/19/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512072-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.81*		*8.00*		*97.6*	*70-130*			
LCS (2512072-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	4.40	0.0250	5.00		87.9	70-130			
Ethylbenzene	4.23	0.0250	5.00		84.7	70-130			
Toluene	4.35	0.0250	5.00		86.9	70-130			
o-Xylene	4.25	0.0250	5.00		84.9	70-130			
p,m-Xylene	8.50	0.0500	10.0		85.0	70-130			
Total Xylenes	12.7	0.0250	15.0		85.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike (2512072-MS1)				**Source: E503152-03**					Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	4.74	0.0250	5.00	ND	94.9	70-130			
Ethylbenzene	4.57	0.0250	5.00	ND	91.3	70-130			
Toluene	4.68	0.0250	5.00	ND	93.7	70-130			
o-Xylene	4.57	0.0250	5.00	ND	91.3	70-130			
p,m-Xylene	9.15	0.0500	10.0	ND	91.5	70-130			
Total Xylenes	13.7	0.0250	15.0	ND	91.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.78*		*8.00*		*97.2*	*70-130*			
Matrix Spike Dup (2512072-MSD1)				**Source: E503152-03**					Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	4.44	0.0250	5.00	ND	88.9	70-130	6.52	27	
Ethylbenzene	4.29	0.0250	5.00	ND	85.7	70-130	6.30	26	
Toluene	4.39	0.0250	5.00	ND	87.9	70-130	6.40	20	
o-Xylene	4.29	0.0250	5.00	ND	85.8	70-130	6.21	25	
p,m-Xylene	8.60	0.0500	10.0	ND	86.0	70-130	6.18	23	
Total Xylenes	12.9	0.0250	15.0	ND	86.0	70-130	6.19	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512072-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.9*	*70-130*			
LCS (2512072-BS2)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		87.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike (2512072-MS2)				**Source: E503152-03**					Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.7*	*70-130*			
Matrix Spike Dup (2512072-MSD2)				**Source: E503152-03**					Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130	3.32	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512085-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*61-141*			
LCS (2512085-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*61-141*			
Matrix Spike (2512085-MS1)				**Source: E503152-15**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	281	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*61-141*			
Matrix Spike Dup (2512085-MSD1)				**Source: E503152-15**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	2.18	20	
Surrogate: n-Nonane	*55.1*		*50.0*		*110*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 8:03:51AM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512081-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	ND	20.0							
LCS (2512081-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512081-MS1)				**Source: E503152-13**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	308	20.0	250	48.2	104	80-120			
Matrix Spike Dup (2512081-MSD1)				**Source: E503152-13**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	306	20.0	250	48.2	103	80-120	0.716	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/25/25 08:03

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E50 3152	Job Number 23003.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee Osborne 123 well pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
1002	3/17/25	Soil	1	FS 18 -0.5		1						X						
1001				21		2						X						
959				22		3						X						
958				34		4						X						
956				35		5						X						
955				38		6						X						
953				39		7						X						
952				50		8						X						
951				51		9						X						
948				110 - 1'		10						X						

Analysis and Method	EPA Program			
DRO/ORO by 8015, GRO/DRO by 8015, BTEX by 8021, VOC by 8260, Chloride 300.0, BGDOC - NM, TCEQ 1005 - TX, RCRA 8 Metals	SDWA	CWA	RCRA
	Compliance	Y	or N
	PWSID #		
	Remarks		

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3-18-25	1645		3.18.25	1700
	3.18.25	2300		3-19-25	0400

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM

Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503152	1D 2D 3D Std	NM CO UT TX
Project: Dec Osborne 123 well pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
946	3/17/25	Soil	1	FS111-1'		11						x						
938				112		12						x						
944				114		13						x						
945				131-0.5'		14						x						
938				134		15						x						
922				135		16						x						
924				136		17						x						
938				137		18						x						
905				+ 147		19						x						
914				148		20						x						

EPA Program					
SDWA	CWA	RCRA			
Compliance	Y	or	N		
PWSID #					

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-1825	0711
Michelle Gonzales	3/18/25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/19/2025 7:42:49AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/19/25 04:00	Work Order ID:	E503152
Phone:	(972) 371-5200	Date Logged In:	03/18/25 16:01	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into multiple WOs due to sample volume, WOs are E503152-E503159.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503153
Job Number:	23003-0002
Received:	3/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/24/25

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

Date Reported: 3/24/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503153
Date Received: 3/19/2025 4:00:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 4:00:29AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS149-0.5’ 6

FS150-0.5’ 7

FS151-0.5’ 8

FS152-0.5’ 9

FS153-0.5’ 10

FS154-0.5’ 11

FS155-1’ 12

FS59-1’ 13

FS53-1’ 14

FS103-1’ 15

FS13-1’ 16

FS32-1’ 17

FS56-1’ 18

FS52-1’ 19

FS57-1’ 20

FS58-1’ 21

FS37-1’ 22

FS14-1’ 23

FS48-1’ 24

FS118-1’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/24/25 15:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS149-0.5'	E503153-01A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS150-0.5'	E503153-02A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS151-0.5'	E503153-03A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS152-0.5'	E503153-04A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS153-0.5'	E503153-05A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS154-0.5'	E503153-06A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS155-1'	E503153-07A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS59-1'	E503153-08A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS53-1'	E503153-09A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS103-1'	E503153-10A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS13-1'	E503153-11A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS32-1'	E503153-12A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS56-1'	E503153-13A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS52-1'	E503153-14A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS57-1'	E503153-15A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS58-1'	E503153-16A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS37-1'	E503153-17A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS14-1'	E503153-18A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS48-1'	E503153-19A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS118-1'	E503153-20A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS149-0.5'

E503153-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	**31.2**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**135**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS150-0.5'

E503153-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	**33.1**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*122 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**91.6**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS151-0.5'

E503153-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**123**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS152-0.5'

E503153-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**67.0**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS153-0.5'

E503153-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**88.5**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS154-0.5'

E503153-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*124 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**63.7**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS155-1'

E503153-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*129 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**69.3**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS59-1'

E503153-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	**92.1**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	**56.4**	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**350**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS53-1'

E503153-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**247**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS103-1'

E503153-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	**32.7**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**261**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS13-1'

E503153-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**210**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS32-1'

E503153-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	**461**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	**257**	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**534**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS56-1'

E503153-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	**58.1**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**446**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS52-1'

E503153-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	**26.0**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**194**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS57-1'

E503153-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**224**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS58-1'

E503153-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	**29.9**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**230**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS37-1'

E503153-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	**43.5**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*127 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**277**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS14-1'

E503153-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**109**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS48-1'

E503153-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	**128**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	**110**	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**442**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

FS118-1'

E503153-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512075
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*122 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512083
Chloride	**59.2**	20.0	1	03/19/25	03/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512075-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			
LCS (2512075-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	5.46	0.0250	5.00		109	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.38	0.0250	5.00		108	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.64*		*8.00*		*95.4*	*70-130*			
Matrix Spike (2512075-MS1)				**Source: E503153-05**					Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	5.00	0.0250	5.00	ND	99.9	70-130			
Ethylbenzene	4.66	0.0250	5.00	ND	93.3	70-130			
Toluene	4.92	0.0250	5.00	ND	98.5	70-130			
o-Xylene	4.79	0.0250	5.00	ND	95.8	70-130			
p,m-Xylene	9.36	0.0500	10.0	ND	93.6	70-130			
Total Xylenes	14.2	0.0250	15.0	ND	94.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.0*	*70-130*			
Matrix Spike Dup (2512075-MSD1)				**Source: E503153-05**					Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	5.71	0.0250	5.00	ND	114	70-130	13.4	27	
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130	13.5	26	
Toluene	5.63	0.0250	5.00	ND	113	70-130	13.5	20	
o-Xylene	5.47	0.0250	5.00	ND	109	70-130	13.3	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	13.5	23	
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130	13.4	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512075-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.2*	*70-130*			
LCS (2512075-BS2)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2512075-MS2)				**Source: E503153-05**					Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	58.3	20.0	50.0	ND	117	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			
Matrix Spike Dup (2512075-MSD2)				**Source: E503153-05**					Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	56.2	20.0	50.0	ND	112	70-130	3.53	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512086-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*59.2*		*50.0*		*118*	*61-141*			
LCS (2512086-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	269	25.0	250		108	66-144			
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*61-141*			
Matrix Spike (2512086-MS1)				**Source: E503153-06**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	56-156			
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*61-141*			
Matrix Spike Dup (2512086-MSD1)				**Source: E503153-06**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156	0.335	20	
Surrogate: n-Nonane	*57.8*		*50.0*		*116*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:33:51PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512083-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	ND	20.0							
LCS (2512083-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2512083-MS1)				**Source: E503153-02**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	352	20.0	250	91.6	104	80-120			
Matrix Spike Dup (2512083-MSD1)				**Source: E503153-02**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	350	20.0	250	91.6	103	80-120	0.614	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/24/25 15:33

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

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

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

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503153	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 well pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				
935	3/17/25	Soil	1	FS 149-0-5'		1						x						
933				150		2						x						
929				151		3						x						
930				152		4						x						
919				153		5						x						
918				154		6						x						
915				155-1'		7						x						
1008				59		8						x						
1024				53		9						x						
938				103		10						x						

EPA Program			
SDWA	CWA	RCRA	
Compliance	Y	or	N
PWSID #			

Remarks

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/18/25	7:11	Michelle Gonzales	3-1825	0711
Michelle Gonzales	31825	1645		3.18.25	1700
	3.18.25	2300		3-19-25	0400

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Matador	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Dec Osborne 123 Well Pad	Address: 3122 National Parks Hwy	E503153	23003.0052				x	x				
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220											
Address: 3122 National Parks Hwy	Phone: 575-988-0055											
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com											
Phone: 575-988-0055	Miscellaneous:											
Email: agiovengo@ensolum.com												

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1016	3/17/25	Soil	1	FS13 - 1'		11						x						
1023				32		12						x						
1022				56		13						x						
1026				52		14						x						
1020				57		15						x						
1006				58		16						x						
1102				37		17						x						
1022				14		18						x						
1054				48		19						x						
1038				118		20						x						

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-1825	0711
Michelle Gonzales	3.18.25	1645	[signature]	3.18.25	1700
[signature]	3/18.25	2300	[signature]	3/19/25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/19/2025 7:43:15AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/19/25 04:00	Work Order ID:	E503153
Phone:	(972) 371-5200	Date Logged In:	03/18/25 16:07	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into multiple WOs due to sample volume, WOs are E503152-E503159.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503154
Job Number:	23003-0002
Received:	3/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/24/25

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

Date Reported: 3/24/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503154
Date Received: 3/19/2025 4:00:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 4:00:29AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS122-0.5’ 6

FS120-0.5’ 7

FS89-1’ 8

FS123-0.5’ 9

FS158-1’ 10

FS11-1’ 11

FS90-1’ 12

FS25-1’ 13

FS26-1’ 14

FS12-1’ 15

FS211-0.5’ 16

FS200-0.5’ 17

FS209-0.5’ 18

FS163-0.5’ 19

FS202-0.5’ 20

FS238-0.5’ 21

FS236-0.5’ 22

FS233-0.5’ 23

FS232-0.5’ 24

FS41-0.5’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organic Compounds by EPA8260B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 30

Definitions and Notes 31

Chain of Custody etc. 32

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/24/25 15:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS122-0.5'	E503154-01A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS120-0.5'	E503154-02A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS89-1'	E503154-03A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS123-0.5'	E503154-04A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS158-1'	E503154-05A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS11-1'	E503154-06A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS90-1'	E503154-07A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS25-1'	E503154-08A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS26-1'	E503154-09A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS12-1'	E503154-10A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS211-0.5'	E503154-11A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS200-0.5'	E503154-12A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS209-0.5'	E503154-13A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS163-0.5'	E503154-14A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS202-0.5'	E503154-15A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS238-0.5'	E503154-16A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS236-0.5'	E503154-17A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS233-0.5'	E503154-18A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS232-0.5'	E503154-19A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS41-0.5'	E503154-20A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS122-0.5'

E503154-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**95.9**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS120-0.5'

E503154-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**98.6**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS89-1'

E503154-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	**204**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	**191**	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**483**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS123-0.5'

E503154-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**104**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS158-1'

E503154-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*98.8 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**52.7**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS11-1'

E503154-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**80.9**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS90-1'

E503154-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	**68.1**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	**67.7**	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**191**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS25-1'

E503154-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512114
Diesel Range Organics (C10-C28)	**75.7**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	**53.3**	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**314**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS26-1'

E503154-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512114
Diesel Range Organics (C10-C28)	**123**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	**94.9**	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*99.8 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**386**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS12-1'

E503154-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**126**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS211-0.5'

E503154-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**138**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS200-0.5'

E503154-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**133**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS209-0.5'

E503154-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**127**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS163-0.5'

E503154-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**297**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS202-0.5'

E503154-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**712**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS238-0.5'

E503154-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**67.8**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS236-0.5'

E503154-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**104**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS233-0.5'

E503154-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**77.2**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS232-0.5'

E503154-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	**35.8**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**33.1**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

FS41-0.5'

E503154-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512077
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*03/19/25*	*03/19/25*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512087
Diesel Range Organics (C10-C28)	**26.9**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512084
Chloride	**230**	20.0	1	03/19/25	03/19/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512077-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			
LCS (2512077-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	2.62	0.0250	2.50		105	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.73	0.0250	2.50		109	70-130			
o-Xylene	2.88	0.0250	2.50		115	70-130			
p,m-Xylene	5.72	0.0500	5.00		114	70-130			
Total Xylenes	8.59	0.0250	7.50		115	70-130			
Surrogate: Bromofluorobenzene	*0.517*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
Matrix Spike (2512077-MS1)				**Source: E503154-06**					Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	2.62	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135			
Toluene	2.74	0.0250	2.50	ND	110	48-130			
o-Xylene	2.89	0.0250	2.50	ND	115	43-135			
p,m-Xylene	5.69	0.0500	5.00	ND	114	43-135			
Total Xylenes	8.58	0.0250	7.50	ND	114	43-135			
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.526*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2512077-MSD1)				**Source: E503154-06**					Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	2.61	0.0250	2.50	ND	105	48-131	0.287	23	
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135	0.224	27	
Toluene	2.73	0.0250	2.50	ND	109	48-130	0.366	24	
o-Xylene	2.91	0.0250	2.50	ND	116	43-135	0.828	27	
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135	1.27	27	
Total Xylenes	8.68	0.0250	7.50	ND	116	43-135	1.12	27	
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512077-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			
LCS (2512077-BS2)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike (2512077-MS2)				**Source: E503154-06**					Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.536*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2512077-MSD2)				**Source: E503154-06**					Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	1.75	20	
Surrogate: Bromofluorobenzene	*0.533*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.2*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512087-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.2*		*50.0*		*108*	*61-141*			
LCS (2512087-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	267	25.0	250		107	66-144			
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*61-141*			
Matrix Spike (2512087-MS1)				**Source: E503154-02**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156			
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*61-141*			
Matrix Spike Dup (2512087-MSD1)				**Source: E503154-02**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	0.808	20	
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512114-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*61-141*			
LCS (2512114-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	66-144			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*61-141*			
Matrix Spike (2512114-MS1)				**Source: E503159-23**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*61-141*			
Matrix Spike Dup (2512114-MSD1)				**Source: E503159-23**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156	1.04	20	
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:35:51PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512084-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	ND	20.0							
LCS (2512084-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2512084-MS1)				**Source: E503154-03**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	714	20.0	250	483	92.3	80-120			
Matrix Spike Dup (2512084-MSD1)				**Source: E503154-03**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	690	20.0	250	483	82.7	80-120	3.42	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/24/25 15:35

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503154	Job Number 23003O002	1D 2D 3D Std: x	NM CO UT TX: x
Project: DCC Osborne 123 well pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1145	3/17/25	Soil	1	FS122-0.5'		1						X						
1141	↓	↓	↓	120 ↓		2						X						
1136				89-1'		3						X						
1147				123-0.5'		4						X						
1204				158-1'		5						X						
1021				11		6						X						
1131				90		7						X						
1058				25		8						X						
1059				26		9						X						
1029	↓	↓	↓	12 ↓		10						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3.18.25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM

Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503154	1D 2D 3D Std	NM CO UT TX
Project: Dec Observe 123 well pad	Address: 3122 National Parks Hwy	Job Number 23003-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1249	3/17/25	Soil	1	FS211-0-5'		11						x						
1218				200		12						x						
1236				209		13						x						
1231				163		14						x						
1232				202		15						x						
1400				238		16						x						
1358				236		17						x						
1356				233		18						x						
1354				232		19						x						
1030				41		20						x						

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-1825	0711
Michelle Gonzales	3-1825	1645	[signature] M.	3.18.25	1700
[signature] M.	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/19/2025 7:43:52AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/19/25 04:00	Work Order ID:	E503154
Phone:	(972) 371-5200	Date Logged In:	03/18/25 16:08	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into multiple WOs due to sample volume, WOs are E503152-E503159.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503155
Job Number:	23003-0002
Received:	3/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/24/25

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

Date Reported: 3/24/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503155
Date Received: 3/19/2025 4:00:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 4:00:29AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS96-1’ 6

FS99-0.5’ 7

FS115-0.5’ 8

FS117-1’ 9

FS125-0.5’ 10

FS68-1’ 11

FS94-0.5’ 12

FS106-1’ 13

FS213-0.5’ 14

FS214-0.5’ 15

FS225-0.5’ 16

FS210-0.5’ 17

FS223-0.5’ 18

FS165-0.5’ 19

FS20-0.5’ 20

FS09-0.5’ 21

FS10-0.5’ 22

FS23-0.5’ 23

FS19-0.5’ 24

FS15-0.5’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/24/25 15:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS96-1'	E503155-01A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS99-0.5'	E503155-02A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS115-0.5'	E503155-03A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS117-1'	E503155-04A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS125-0.5'	E503155-05A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS68-1'	E503155-06A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS94-0.5'	E503155-07A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS106-1'	E503155-08A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS213-0.5'	E503155-09A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS214-0.5'	E503155-10A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS225-0.5'	E503155-11A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS210-0.5'	E503155-12A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS223-0.5'	E503155-13A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS165-0.5'	E503155-14A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS20-0.5'	E503155-15A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS09-0.5'	E503155-16A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS10-0.5'	E503155-17A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS23-0.5'	E503155-18A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS19-0.5'	E503155-19A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS15-0.5'	E503155-20A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS96-1'

E503155-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	**1680**	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	**2120**	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*99.1 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**290**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS99-0.5'

E503155-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	**25.8**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*97.6 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**107**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS115-0.5'

E503155-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*98.3 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**57.9**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS117-1'

E503155-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	**36.8**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*98.6 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**116**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS125-0.5'

E503155-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**73.4**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS68-1'

E503155-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	**101**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	**67.2**	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*99.3 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**400**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS94-0.5'

E503155-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*99.8 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**158**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS106-1'

E503155-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	**88.5**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	**91.8**	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*99.4 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**366**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS213-0.5'

E503155-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	**78.6**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**91.2**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS214-0.5'

E503155-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*99.4 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**64.6**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS225-0.5'

E503155-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**34.5**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS210-0.5'

E503155-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**94.2**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS223-0.5'

E503155-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*99.7 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**199**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS165-0.5'

E503155-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*95.4 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**29.3**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS20-0.5'

E503155-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	**66.6**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	**55.6**	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*98.8 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**534**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS09-0.5'

E503155-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*98.9 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**87.9**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS10-0.5'

E503155-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.4 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**124**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS23-0.5'

E503155-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	**37.5**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*97.6 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**516**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS19-0.5'

E503155-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*98.8 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**140**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

FS15-0.5'

E503155-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512078
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512088
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512097
Chloride	**120**	20.0	1	03/19/25	03/19/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512078-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2512078-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	5.43	0.0250	5.00		109	70-130			
Ethylbenzene	5.25	0.0250	5.00		105	70-130			
Toluene	5.36	0.0250	5.00		107	70-130			
o-Xylene	5.24	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.1*	*70-130*			
Matrix Spike (2512078-MS1)				**Source: E503155-07**					Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	5.04	0.0250	5.00	ND	101	70-130			
Ethylbenzene	4.87	0.0250	5.00	ND	97.3	70-130			
Toluene	4.97	0.0250	5.00	ND	99.4	70-130			
o-Xylene	4.87	0.0250	5.00	ND	97.3	70-130			
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.3*	*70-130*			
Matrix Spike Dup (2512078-MSD1)				**Source: E503155-07**					Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	5.42	0.0250	5.00	ND	108	70-130	7.32	27	
Ethylbenzene	5.23	0.0250	5.00	ND	105	70-130	7.24	26	
Toluene	5.34	0.0250	5.00	ND	107	70-130	7.19	20	
o-Xylene	5.23	0.0250	5.00	ND	105	70-130	7.13	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	7.23	23	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	7.20	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512078-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.8*	*70-130*			
LCS (2512078-BS2)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	39.1	20.0	50.0		78.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.2*	*70-130*			
Matrix Spike (2512078-MS2)				**Source: E503155-07**					Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.7*	*70-130*			
Matrix Spike Dup (2512078-MSD2)				**Source: E503155-07**					Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.2	70-130	5.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512088-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.9*		*50.0*		*91.8*	*61-141*			
LCS (2512088-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	226	25.0	250		90.5	66-144			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.5*	*61-141*			
Matrix Spike (2512088-MS1)				**Source: E503155-09**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	343	25.0	250	78.6	106	56-156			
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*61-141*			
Matrix Spike Dup (2512088-MSD1)				**Source: E503155-09**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	322	25.0	250	78.6	97.5	56-156	6.20	20	
Surrogate: n-Nonane	*49.6*		*50.0*		*99.1*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:39:02PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512097-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	ND	20.0							
LCS (2512097-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512097-MS1)				**Source: E503155-05**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	339	20.0	250	73.4	106	80-120			
Matrix Spike Dup (2512097-MSD1)				**Source: E503155-05**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	326	20.0	250	73.4	101	80-120	3.83	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/24/25 15:39

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503155	Job Number 23C03-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1130	3/17/2025	Soil	1	FS96 - 1'		1						x						
1127				94 - 0.5'		2						x						
1202				115 - 0.5'		3						x						
1138				117 - 1'		4						x						
1151				125 - 0.5'		5						x						
1037				68 - 1'		6						x						
1106				94 - 0.5		7						x						
0936				106 - 1'		8						x						
1254				23+ - 0.5'		9						x						
1255				24 - 0.5'		10						x						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3-18-25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State					
Client: Matador	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	E503155	23003·0002				x	x					
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220												
Address: 3122 National Parks Hwy	Phone: 575-988-0055												
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com												
Phone: 575-988-0055	Miscellaneous:												
Email: agiovengo@ensolum.com													

Sample Information							Analysis and Method											EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				SDWA	CWA	RCRA
1257	3/17/2025	Soil	1	FS 225 - 0.5'		11						x						Compliance	Y or N	
1236				210 -		12						x						PWSID #		
1254				223 -		13						x						Remarks		
1304				165 -		14						x								
1054				20 -		15						x								
1019				09		16						x								
1018				10		17						x								
1120				23		18						x								
1056				19		19						x								
1027				15		20						x								

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3-18-25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/19/2025 7:48:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/19/25 04:00	Work Order ID:	E503155
Phone:	(972) 371-5200	Date Logged In:	03/18/25 16:08	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into multiple WOs due to sample volume, WOs are E503152-E503159.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503156
Job Number:	23003-0002
Received:	3/19/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/25

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

Date Reported: 4/1/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503156
Date Received: 3/19/2025 4:00:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 4:00:29AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

- FS01-0.5’ 6
- FS02-0.5’ 7
- FS03-1’ 8
- FS04-1’ 9
- FS05-0.5’ 10
- FS06-0.5’ 11
- FS07-1’ 12
- FS08-1’ 13
- FS17-0.5’ 14
- FS54-0.5’ 15
- FS55-0.5’ 16
- FS63-1’ 17
- FS66-0.5’ 18
- FS108-1’ 19
- FS109-1’ 20
- FS138-1’ 21
- FS139-0.5’ 22

QC Summary Data 23

- QC - Volatile Organics by EPA 8021B 23
- QC - Nonhalogenated Organics by EPA 8015D - GRO 24

Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 25

QC - Anions by EPA 300.0/9056A 26

Definitions and Notes 27

Chain of Custody etc. 28

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/01/25 11:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0.5'	E503156-01A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS02-0.5'	E503156-02A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS03-1'	E503156-03A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS04-1'	E503156-04A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS05-0.5'	E503156-05A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS06-0.5'	E503156-06A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS07-1'	E503156-07A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS08-1'	E503156-08A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS17-0.5'	E503156-09A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS54-0.5'	E503156-10A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS55-0.5'	E503156-11A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS63-1'	E503156-12A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS66-0.5'	E503156-13A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS108-1'	E503156-14A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS109-1'	E503156-15A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS138-1'	E503156-16A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS139-0.5'	E503156-17A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS01-0.5'

E503156-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.5 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**175**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS02-0.5'

E503156-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.6 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**105**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS03-1'

E503156-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**84.6**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS04-1'

E503156-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.0 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/19/25*	*03/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**87.2**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS05-0.5'

E503156-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.9 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*95.4 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**116**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS06-0.5'

E503156-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.6 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**56.3**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS07-1'

E503156-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.6 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**120**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS08-1'

E503156-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*03/19/25*	*03/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**102**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS17-0.5'

E503156-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*78.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*93.7 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**38.3**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS54-0.5'

E503156-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.4 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*99.5 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**87.5**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS55-0.5'

E503156-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**79.0**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS63-1'

E503156-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*77.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	**334**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	**54.3**	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**452**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS66-0.5'

E503156-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*76.4 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**149**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS108-1'

E503156-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*76.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	**49.5**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**162**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS109-1'

E503156-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*75.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**84.1**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS138-1'

E503156-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*75.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**68.9**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

FS139-0.5'

E503156-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*73.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512079
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512098
Chloride	**142**	20.0	1	03/19/25	03/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512079-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.76*		*8.00*		*84.5*	*70-130*			
LCS (2512079-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	4.77	0.0250	5.00		95.5	70-130			
Ethylbenzene	4.58	0.0250	5.00		91.6	70-130			
Toluene	4.69	0.0250	5.00		93.8	70-130			
o-Xylene	4.61	0.0250	5.00		92.2	70-130			
p,m-Xylene	9.32	0.0500	10.0		93.2	70-130			
Total Xylenes	13.9	0.0250	15.0		92.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.77*		*8.00*		*84.6*	*70-130*			
Matrix Spike (2512079-MS1)				**Source: E503156-07**					Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	5.24	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.00	0.0250	5.00	ND	100	70-130			
Toluene	5.14	0.0250	5.00	ND	103	70-130			
o-Xylene	4.96	0.0250	5.00	ND	99.2	70-130			
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130			
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.48*		*8.00*		*80.9*	*70-130*			
Matrix Spike Dup (2512079-MSD1)				**Source: E503156-07**					Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	5.02	0.0250	5.00	ND	100	70-130	4.39	27	
Ethylbenzene	4.80	0.0250	5.00	ND	95.9	70-130	4.24	26	
Toluene	4.92	0.0250	5.00	ND	98.5	70-130	4.33	20	
o-Xylene	4.77	0.0250	5.00	ND	95.4	70-130	3.86	25	
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	70-130	4.01	23	
Total Xylenes	14.5	0.0250	15.0	ND	96.7	70-130	3.96	26	
Surrogate: 4-Bromochlorobenzene-PID	*6.49*		*8.00*		*81.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512079-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
LCS (2512079-BS2)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
Matrix Spike (2512079-MS2)				**Source: E503156-07**					Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	37.9	20.0	50.0	ND	75.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
Matrix Spike Dup (2512079-MSD2)				**Source: E503156-07**					Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.1	70-130	9.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512089-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
LCS (2512089-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	223	25.0	250		89.2	66-144			
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*61-141*			
Matrix Spike (2512089-MS1)				**Source: E503156-10**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.8	56-156			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*61-141*			
Matrix Spike Dup (2512089-MSD1)				**Source: E503156-10**					Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.0	56-156	2.89	20	
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:20:36AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512098-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	ND	20.0							
LCS (2512098-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2512098-MS1)				**Source: E503156-06**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	309	20.0	250	56.3	101	80-120			
Matrix Spike Dup (2512098-MSD1)				**Source: E503156-06**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	304	20.0	250	56.3	98.9	80-120	1.73	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/01/25 11:20

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.

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503156	Job Number 23003.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dec Osborne 123 well pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Analysis and Method / **EPA Program**: SDWA | CWA | RCRA; Compliance Y or N; PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
0947	3-17-25	S	1	FS55 - 0.5'		11						X			
~~1004~~			~~1~~	~~FS62 - 1'~~ HGL		~~12~~						X			
1002			1	FS 63 - 1'	12	13						X			
~~0958~~			~~1~~	~~FS 64 - 1'~~ HGL	~~13~~	~~14~~						X			
~~0954~~			~~1~~	~~FS 65 - 1'~~ HGL		~~15~~						X			
~~0956~~			~~1~~	~~FS 66 - 1'~~ FS113-0.5'	13	~~16~~						X			CM 3/19/25
0950			1	FS 108 - 1'	14	~~17~~						X			
0940			1	FS 109 - 1'	15	~~18~~						X			
1000			1	FS 138 - 1'	16	~~19~~						X			
0925			1	FS 139 - 0.5'	17	~~20~~	CM 3/19/25					X			

10:18 CM

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3.18.25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	Murphy N Hall	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Page 370 of 1003

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503150	Job Number 23003.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1010	3-17-25	S	1	FS01 - 0.5'		1						x			Cancelled
1008	"	"	1	FS02 - 0.5'		2						x			Sample 1 added extra
1011	"	"	1	FS03 - 1'		3						x			Sample recieved per Client 3/19/25 CM
1012	"	"	1	FS04 - 1'		4						x			
1007	"	"	1	FS05 - 0.5'		5						x			
1006	"	"	1	FS06 - 0.5'		6						x			
1014	"	"	1	FS07 - ~~0'~~ HCO 1'		7						x			
1015	"	"	1	FS08 - 1'		8						x			
1009	"	"	1	FS17 0.5'+		9						x			
0949	"	"	1	FS54 - 0.5'		10						x			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3-18-25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Page 371 of 1003

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503150	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 well Pad	Address: 3122 National Parks Hwy	Job Number 23C03-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals
1010	3-17-25	S	1	FS01 - 0.5'		1						x		
1008			1	FS02 - 0.5'		2						x		
1011			1	FS03 - 1'		3						x		
1012			1	FS04 - 1'		4						x		
1007			1	FS05 - 0.5'		5						x		
1006			1	FS06 - 0.5'		6						x		
1014			1	FS07 - ~~0.5~~ HOLD 1'		7						x		
1015			1	FS08 - 1'		8						x		
1009			1	FS17 0.5'+		9						x		
0949			1	FS54 - 0.5'		10						x		

Analysis and Method												EPA Program				
												SDWA	CWA	RCRA		
												Compliance	Y	or	N	
												PWSID #				
												Remarks				

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-1825	0711
Michelle Gonzales	31825	1645	[signature] M.	3.18.25	1700
[signature] M.	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503156	Job Number 23003.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee Osborne 123 well pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
0947	3-17-25	S	1	FS55 - 0.5'		11						X			
~~1004~~			1	~~FS62 - 1'~~ HGL		~~12~~						X			
1002			1	FS 63 - 1'	12	~~13~~						X			
~~0958~~			1	~~FS 64 - 1'~~ HGL		~~14~~						X			
~~0954~~			1	~~FS 65 - 1'~~ HGL		~~15~~						X			
0956			1	FS 66 - 1'	13	~~16~~						X			
0950			1	FS 108 - 1'	14	~~17~~						X			
0940			1	FS 109 - 1'	15	~~18~~						X			
1000			1	FS 138 - 1' +	16	~~19~~						X			
0925			1	FS 139 - 0.5'	17	~~20~~						X			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com CM 3/19/25

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3.18.25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

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

Envirotech Analytical Laboratory

Printed: 3/19/2025 9:37:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/19/25 04:00	Work Order ID:	E503156
Phone:	(972) 371-5200	Date Logged In:	03/18/25 16:08	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	No	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into multiple WOs due to sample volume, WOs are E503152-E503159. Missing sample #16. Cancelled sample and added extra sample received per client.

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503150	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1010	3-17-25	S	1	FS01 - 0.5'		1						x			Cancelled Sample # added extra Sample recieved per Client 3/19/25 CM
1008	"	"	1	FS02 - 0.5'		2						x			
1011	"	"	1	FS03 - 1'		3						x			
1012	"	"	1	FS04 - 1'		4						x			
1007	"	"	1	FS05 - 0.5'		5						x			
1006	"	"	1	FS06 - 0.5'		6						x			
1014	"	"	1	FS07 - ~~0.5'~~ HCG 1'		7						x			
1015	"	"	1	FS08 - 1'		8						x			Changed Sample #13 name per C. Hamilton 4/1/25 CM
1009	"	"	1	FS17 0.5'+		9						x			
0949	"	"	1	FS54 - 0.5'		10						x			

Analysis and Method	EPA Program
	SDWA CWA RCRA
	Compliance Y or N
	PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3.18.25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Page 375 of 1003

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503156	1D 2D 3D Std	NM CO UT TX
Project: Dcc Osborne 123 well pad.	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - Tx	RCRA 8 Metals			SDWA	CWA	RCRA
0947	3-17-25	S	1	FS55 - 0.5'		11						x					Compliance	Y or N	
~~1004~~			1	~~FS62 - 1'~~ HGL		~~12~~						x					PWSID #		
1002			1	FS 63 - 1'	12	13						x							
~~0958~~			1	~~FS 64 - 1'~~ HGL	~~13~~	~~14~~						x							
~~0954~~			1	~~FS 65 - 1'~~ HGL		~~15~~						x							
10:18 CM	~~0946~~		1	~~FS 66 - 1'~~ FS113 FG60 0.5'	13	~~16~~						x					CM 3/19/25		
	0950		1	FS 108 - 1'	14	17						x							
	0940		1	FS 109 - 1'	15	~~18~~						x							
	1000		1	FS 138 - 1' +	Ko	~~19~~						x							
	0925		1	FS 139 - 0.5'	17	~~20~~	CM 3/19/25					x							

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3.18.25	1645		3.18.25	1700
	3.18.25	2300		3-19-25	0400

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

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Page 376 of 1003

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503157
Job Number:	23003-0002
Received:	3/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/24/25

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

Date Reported: 3/24/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503157
Date Received: 3/19/2025 4:00:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 4:00:29AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS140-0.5’ 6

FS141-0.5’ 7

FS142-0.5’ 8

FS143-0.5’ 9

FS144-0.5’ 10

FS145-0.5’ 11

FS146-0.5’ 12

FS156-0.5’ 13

FS157-0.5’ 14

FS161-0.5’ 15

FS124-1’ 16

FS113-1’ 17

FS199-0.5’ 18

FS97-0.5’ 19

FS119-1’ 20

FS107-1’ 21

QC Summary Data 22

QC - Volatile Organics by EPA 8021B 22

QC - Nonhalogenated Organics by EPA 8015D - GRO 23

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 24

Table of Contents (continued)

QC - Anions by EPA 300.0/9056A 26

Definitions and Notes 27

Chain of Custody etc. 28

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/24/25 15:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS140-0.5'	E503157-01A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS141-0.5'	E503157-02A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS142-0.5'	E503157-03A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS143-0.5'	E503157-04A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS144-0.5'	E503157-05A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS145-0.5'	E503157-06A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS146-0.5'	E503157-07A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS156-0.5'	E503157-08A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS157-0.5'	E503157-09A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS161-0.5'	E503157-10A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS124-1'	E503157-11A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS113-1'	E503157-12A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS199-0.5'	E503157-13A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS97-0.5'	E503157-14A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS119-1'	E503157-15A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS107-1'	E503157-16A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS140-0.5'

E503157-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**128**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS141-0.5'

E503157-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**96.7**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS142-0.5'

E503157-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**69.3**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS143-0.5'

E503157-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**122**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS144-0.5'

E503157-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**56.0**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS145-0.5'

E503157-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**129**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS146-0.5'

E503157-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**135**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS156-0.5'

E503157-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**54.1**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS157-0.5'

E503157-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**50.4**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS161-0.5'

E503157-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**75.7**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS124-1'

E503157-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**41.0**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS113-1'

E503157-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**41.1**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS199-0.5'

E503157-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**74.9**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS97-0.5'

E503157-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**51.9**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS119-1'

E503157-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	**35.2**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**84.8**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

FS107-1'

E503157-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512080
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512099
Chloride	**209**	20.0	1	03/19/25	03/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512080-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.9*	*70-130*			
LCS (2512080-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Benzene	5.49	0.0250	5.00		110	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.41	0.0250	5.00		108	70-130			
o-Xylene	5.26	0.0250	5.00		105	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.3*	*70-130*			
Matrix Spike (2512080-MS1)				**Source: E503157-08**					Prepared: 03/19/25 Analyzed: 03/20/25
Benzene	5.33	0.0250	5.00	ND	107	70-130			
Ethylbenzene	4.97	0.0250	5.00	ND	99.5	70-130			
Toluene	5.26	0.0250	5.00	ND	105	70-130			
o-Xylene	5.09	0.0250	5.00	ND	102	70-130			
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	70-130			
Total Xylenes	15.1	0.0250	15.0	ND	100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			
Matrix Spike Dup (2512080-MSD1)				**Source: E503157-08**					Prepared: 03/19/25 Analyzed: 03/20/25
Benzene	5.29	0.0250	5.00	ND	106	70-130	0.769	27	
Ethylbenzene	4.93	0.0250	5.00	ND	98.7	70-130	0.790	26	
Toluene	5.21	0.0250	5.00	ND	104	70-130	0.920	20	
o-Xylene	5.06	0.0250	5.00	ND	101	70-130	0.675	25	
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	70-130	0.689	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.7	70-130	0.684	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512080-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.3*	*70-130*			
LCS (2512080-BS2)									Prepared: 03/19/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.2*	*70-130*			
Matrix Spike (2512080-MS2)				**Source: E503157-08**					Prepared: 03/19/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.1*	*70-130*			
Matrix Spike Dup (2512080-MSD2)				**Source: E503157-08**					Prepared: 03/19/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130	0.566	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.47*		*8.00*		*93.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512090-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.5*		*50.0*		*115*	*61-141*			
LCS (2512090-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Diesel Range Organics (C10-C28)	252	25.0	250		101	66-144			
Surrogate: n-Nonane	*51.9*		*50.0*		*104*	*61-141*			
Matrix Spike (2512090-MS1)				**Source: E503157-06**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2512090-MSD1)				**Source: E503157-06**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156	0.0831	20	
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512114-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*61-141*			
LCS (2512114-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	66-144			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*61-141*			
Matrix Spike (2512114-MS1)				**Source: E503159-23**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*61-141*			
Matrix Spike Dup (2512114-MSD1)				**Source: E503159-23**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156	1.04	20	
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:53:08PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512099-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	ND	20.0							
LCS (2512099-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2512099-MS1)				**Source: E503157-04**					Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	392	20.0	250	122	108	80-120			
Matrix Spike Dup (2512099-MSD1)				**Source: E503157-04**					Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	378	20.0	250	122	102	80-120	3.69	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/24/25 15:53

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

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

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

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503157	Job Number 23C3.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee Osborne 123 Wellpad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0926	3-17-25	S	1	FS 140 - 0.5'		1						X						
0909			1	FS 141 - 0.5'		2						X						
0910			1	FS 142 - 0.5'		3						X						
0907			1	FS 143 - 0.5'		4						X						
0906			1	FS 144 - 0.5'		5						X						
0912			1	FS 145 - 0.5'		6						X						
0921			1	FS 146 - 0.5'		7						X						
0917			1	FS 156 - 0.5'		8						X						
0932			1	FS 157 - 0.5'		9						X						
0942			1	FS 161 - 0.5'		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-1825	0711
Michelle Gonzales	3-18-25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503157	Job Number 23C03-0002	1D 2D 3D Std: x
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			NM CO UT TX: x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0903	3-17-25	S	1	~~FS 178 - 0.5' HGC~~		~~11~~ CM						X						
0901			1	~~FS 179 - 0.5' HGC~~		~~12~~ CM 3/17/25						X						
1036			1	FS 124 - 1'		11						X						
1018			1	FS 113 - 1'		12						X						
1138			1	~~FS 116 - 1' HGC~~								X						
1209			1	FS 199 - 0.5'		13						X						
1139			1	FS 97 - 0.5'		14						X						
1046			1	~~FS 105 - 1' HGC~~								X						
1040			1	FS 119 - 1'		15						X						
1016			1	FS 107 - 1'		16						X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
~~I Est~~	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3-18-25	1645	Andrew M.	3.18.25	1700
Andrew M.	3.18.25	2300	[illegible]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/19/2025 9:35:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/19/25 04:00	Work Order ID:	E503157
Phone:	(972) 371-5200	Date Logged In:	03/18/25 16:09	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into multiple WOs due to sample volume, WOs are E503152-E503159.

Client Instruction

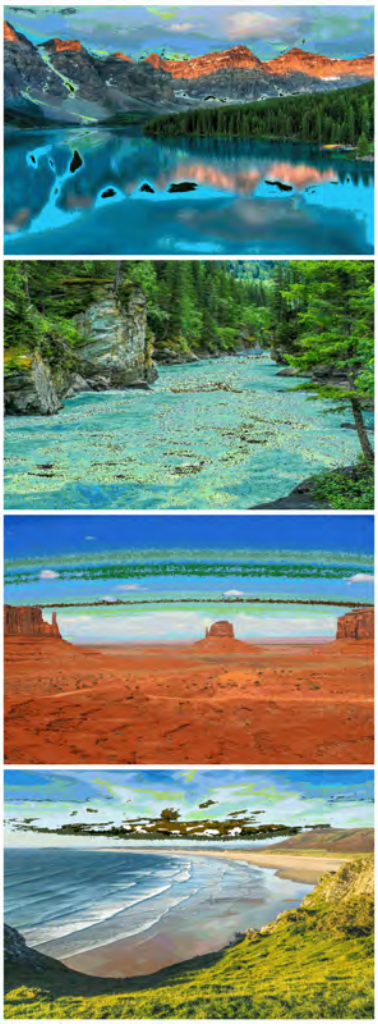
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503158
Job Number:	23003-0002
Received:	3/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/24/25

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

Date Reported: 3/24/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503158
Date Received: 3/19/2025 4:00:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 4:00:29AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS130-0.5’ 6

FS126-0.5’ 7

FS88-1’ 8

FS132-0.5’ 9

FS207-0.5’ 10

FS128-0.5’ 11

FS98-0.5’ 12

FS127-0.5’ 13

FS93-0.5’ 14

FS67-1’ 15

FS160-0.5’ 16

FS159-0.5’ 17

FS129-0.5’ 18

FS16-1’ 19

FS100-1’ 20

FS121-0.5’ 21

FS102-1’ 22

FS220-0.5’ 23

QC Summary Data 24

QC - Volatile Organics by EPA 8021B 24

Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - GRO 25

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 26

QC - Anions by EPA 300.0/9056A 28

Definitions and Notes 29

Chain of Custody etc. 30

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/24/25 15:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS130-0.5'	E503158-01A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS126-0.5'	E503158-02A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS88-1'	E503158-03A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS132-0.5'	E503158-04A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS207-0.5'	E503158-05A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS128-0.5'	E503158-06A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS98-0.5'	E503158-07A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS127-0.5'	E503158-08A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS93-0.5'	E503158-09A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS67-1'	E503158-10A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS160-0.5'	E503158-11A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS159-0.5'	E503158-12A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS131-0.5'	E503158-13A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS129-0.5'	E503158-14A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS16-1'	E503158-15A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS100-1'	E503158-16A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS121-0.5'	E503158-17A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS102-1'	E503158-18A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS220-0.5'	E503158-19A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS130-0.5'

E503158-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**128**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS126-0.5'

E503158-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**61.2**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS88-1'

E503158-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	**346**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	**300**	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**428**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS132-0.5'

E503158-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**148**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS207-0.5'

E503158-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**135**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS128-0.5'

E503158-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*132 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**126**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS98-0.5'

E503158-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**52.2**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS127-0.5'

E503158-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**71.3**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS93-0.5'

E503158-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**284**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS67-1'

E503158-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**149**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS160-0.5'

E503158-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/20/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/20/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**65.8**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS159-0.5'

E503158-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.8 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**79.5**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS129-0.5'

E503158-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**67.4**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS16-1'

E503158-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.6 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**297**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS100-1'

E503158-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	**388**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	**132**	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**465**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS121-0.5'

E503158-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.9 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**65.6**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS102-1'

E503158-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.1 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	**64.2**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	**87.1**	20.0	1	03/19/25	03/19/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

FS220-0.5'

E503158-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512093
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512091
Diesel Range Organics (C10-C28)	**93.4**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	**72.1**	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512107
Chloride	ND	20.0	1	03/19/25	03/19/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512093-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2512093-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Benzene	5.45	0.0250	5.00		109	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
Toluene	5.38	0.0250	5.00		108	70-130			
o-Xylene	5.22	0.0250	5.00		104	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike (2512093-MS1)				**Source: E503158-10**					Prepared: 03/19/25 Analyzed: 03/20/25
Benzene	5.63	0.0250	5.00	ND	113	70-130			
Ethylbenzene	5.27	0.0250	5.00	ND	105	70-130			
Toluene	5.55	0.0250	5.00	ND	111	70-130			
o-Xylene	5.41	0.0250	5.00	ND	108	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.3*	*70-130*			
Matrix Spike Dup (2512093-MSD1)				**Source: E503158-10**					Prepared: 03/19/25 Analyzed: 03/20/25
Benzene	6.06	0.0250	5.00	ND	121	70-130	7.38	27	
Ethylbenzene	5.68	0.0250	5.00	ND	114	70-130	7.52	26	
Toluene	5.98	0.0250	5.00	ND	120	70-130	7.47	20	
o-Xylene	5.82	0.0250	5.00	ND	116	70-130	7.35	25	
p,m-Xylene	11.4	0.0500	10.0	ND	114	70-130	7.50	23	
Total Xylenes	17.2	0.0250	15.0	ND	115	70-130	7.45	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512093-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			
LCS (2512093-BS2)									Prepared: 03/19/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.76*		*8.00*		*84.5*	*70-130*			
Matrix Spike (2512093-MS2)				**Source: E503158-10**					Prepared: 03/19/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.86*		*8.00*		*85.8*	*70-130*			
Matrix Spike Dup (2512093-MSD2)				**Source: E503158-10**					Prepared: 03/19/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.5	70-130	2.47	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.98*		*8.00*		*87.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512091-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.1*		*50.0*		*94.1*	*61-141*			
LCS (2512091-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	253	25.0	250		101	66-144			
Surrogate: n-Nonane	*49.4*		*50.0*		*98.9*	*61-141*			
Matrix Spike (2512091-MS1)				**Source: E503158-08**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	302	25.0	250	ND	121	56-156			
Surrogate: n-Nonane	*60.5*		*50.0*		*121*	*61-141*			
Matrix Spike Dup (2512091-MSD1)				**Source: E503158-08**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156	5.89	20	
Surrogate: n-Nonane	*57.6*		*50.0*		*115*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512114-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*61-141*			
LCS (2512114-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	66-144			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*61-141*			
Matrix Spike (2512114-MS1)				**Source: E503159-23**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*61-141*			
Matrix Spike Dup (2512114-MSD1)				**Source: E503159-23**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156	1.04	20	
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/24/2025 3:58:41PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512107-BLK1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	ND	20.0							
LCS (2512107-BS1)									Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2512107-MS1)				**Source: E503158-08**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	332	20.0	250	71.3	104	80-120			
Matrix Spike Dup (2512107-MSD1)				**Source: E503158-08**					Prepared: 03/19/25 Analyzed: 03/19/25
Chloride	335	20.0	250	71.3	106	80-120	0.923	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/24/25 15:58

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503158	Job Number 23003-0002	1D 2D 3D Std: x
Project: Dee Osborne 123 well pad	Address: 3122 National Parks Hwy			NM CO UT TX: x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1148	3-17-25	S	1	FS130 - 0.5'		1						x			missing Sample #13. Cancelled Sample per Client. 3/19/25 CM
1200			1	FS126 - 0.5'		2						x			
1117			1	FS 88 - 1'		3						x			
1153			1	FS132 - 0.5'		4						x			
1215			1	~~FS207~~ FS207 - 0.5'		5						x			
1150			1	FS128 - 0.5'		6						x			
1105			1	FS98 - 0.5'		7						x			
1158			1	FS127 - 0.5'		8						x			
1107			1	FS93 - 0.5'		9						x			
1038			1	FS67 - 1'		10						x			

Analysis and Method

EPA Program: SDWA | CWA | RCRA; Compliance Y or N; PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3-18-25	1645		3.18.25	1200
	3.18.25	2300		3-19-25	0490

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

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503158	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well pad	Address: 3122 National Parks Hwy	Job Number 23C03-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1207	3-17-25	S	1	FS160 - 0.5'		11						x			
1206			1	FS159 - 0.5'		12						x			
~~1151~~			1	FS131 - 0.5'		13						x			OM 3/19/25
1156			1	FS129 - 0.5'		14						x			
1030			1	FS16 - 1'		15						x			
1052			1	FS100 - 1'		16						x			
1143			1	FS121 - 0.5'		17						x			
0442			1	FS102 - 1'		18						x			
1350			1	FS220 - 0.5'+		19						x			
1113			1	~~FS77 - 1'~~								x			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/18/	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3-18-25	1645		3.18.25	1700
	3.18.25	2300		3-19-25	0400

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503158	Job Number 23003.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1148	3-17-25	S	1	FS130 - 0.5'		1						X						
1200			1	FS126 - 0.5'		2						X						
1117			1	FS 88 - 1'		3						X						
1153			1	FS132 - 0.5'		4						X						
1215			1	~~2ol+HG~~ FS207 - 0.5'		5						X						
1150			1	FS128 - 0.5'		6						X						
1105			1	FS98 - 0.5'		7						X						
1158			1	FS127 - 0.5'		8						X						
1107			1	FS93 - 0.5'+		9						X						
1038			1	FS67 - 1'		10						X						

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3-18-25	1645	[signature]	3.18.25	1200
[signature]	3.18.25	2300	[signature]	3-19-25	0430
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503158	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 well pad	Address: 3122 National Parks Hwy	Job Number 23C03-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1207	3-17-25	S	1	FS160 - 0.5'		11						x						
1206			1	FS159 - 0.5'		12						x						
1154			1	FS131 - 0.5'		13						x						
1156			1	FS129 - 0.5'		14						x						
1030			1	FS16 - 1'		15						x						
1052			1	FS100 - 1'		16						x						
1143			1	FS121 - 0.5'		17						x						
0942			1	FS102 - 1'		18						x						
1350			1	FS220 - 0.5' +		19						x						
1113			1	~~FS77 - 1'~~								x						

Analysis and Method	EPA Program
DRO/ORO by 8015, GRO/DRO by 8015, BTEX by 8021, VOC by 8260, Chloride 300.0, BGDOC - NM, TCEQ 1005 - TX, RCRA 8 Metals	SDWA CWA RCRA; Compliance Y or N; PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/	7:11	Michelle Gonzales	3.18.25	0711
Michelle Gonzales	3.18.25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/19/2025 9:36:44AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/19/25 04:00	Work Order ID:	E503158
Phone:	(972) 371-5200	Date Logged In:	03/18/25 16:09	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	No	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into multiple WOs due to sample volume, WOs are E503152-E503159. Missing sample #13. Cancelled per client.

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503159
Job Number:	23003-0002
Received:	3/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/25/25

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

Date Reported: 3/25/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503159
Date Received: 3/19/2025 4:00:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 4:00:29AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS205-0.5’ 6

FS206-0.5’ 7

FS203-0.5’ 8

FS164-0.5’ 9

FS162-0.5’ 10

FS228-0.5’ 11

FS222-0.5’ 12

FS189-0.5’ 13

FS204-0.5’ 14

FS231-0.5’ 15

FS188-0.5’ 16

FS254-0.5’ 17

FS250-0.5’ 18

FS224-0.5’ 19

FS221-0.5’ 20

FS218-0.5’ 21

FS230-0.5’ 22

FS226-0.5’ 23

FS219-0.5’ 24

FS215-0.5’ 25

Table of Contents (continued)

FS217-0.5’ 26

FS249-0.5’ 27

FS253-0.5’ 28

FS237-0.5’ 29

FS229-0.5’ 30

FS212-0.5’ 31

FS208-0.5’ 32

FS227-0.5’ 33

FS216-0.5’ 34

QC Summary Data 35

QC - Volatile Organic Compounds by EPA8260B 35

QC - Volatile Organics by EPA 8021B 36

QC - Nonhalogenated Organics by EPA 8015D - GRO 37

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 39

QC - Anions by EPA 300.0/9056A 41

Definitions and Notes 43

Chain of Custody etc. 44

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/25/25 13:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS205-0.5'	E503159-01A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS206-0.5'	E503159-02A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS203-0.5'	E503159-03A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS164-0.5'	E503159-04A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS162-0.5'	E503159-05A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS228-0.5'	E503159-06A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS222-0.5'	E503159-07A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS189-0.5'	E503159-08A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS204-0.5'	E503159-09A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS231-0.5'	E503159-10A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS188-0.5'	E503159-11A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS254-0.5'	E503159-12A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS250-0.5'	E503159-13A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS224-0.5'	E503159-14A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS221-0.5'	E503159-15A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS218-0.5'	E503159-16A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS230-0.5'	E503159-17A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS226-0.5'	E503159-18A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS219-0.5'	E503159-19A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS215-0.5'	E503159-20A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS217-0.5'	E503159-21A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS249-0.5'	E503159-22A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS253-0.5'	E503159-23A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS237-0.5'	E503159-24A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS229-0.5'	E503159-25A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS212-0.5'	E503159-26A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS208-0.5'	E503159-27A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS227-0.5'	E503159-28A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS216-0.5'	E503159-29A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS205-0.5'

E503159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**202**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS206-0.5'

E503159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**149**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS203-0.5'

E503159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**43.6**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS164-0.5'

E503159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**35.4**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS162-0.5'

E503159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**47.2**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS228-0.5'

E503159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**55.7**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS222-0.5'

E503159-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**65.4**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS189-0.5'

E503159-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**28.4**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS204-0.5'

E503159-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**33.7**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS231-0.5'

E503159-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**53.5**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS188-0.5'

E503159-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**24.0**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS254-0.5'

E503159-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**35.0**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS250-0.5'

E503159-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	**30.4**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**98.5**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS224-0.5'

E503159-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/20/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/20/25	
Toluene	ND	0.0250	1	03/19/25	03/20/25	
o-Xylene	ND	0.0250	1	03/19/25	03/20/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/20/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/20/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/19/25*	*03/20/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**119**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS221-0.5'

E503159-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/21/25	
Toluene	ND	0.0250	1	03/19/25	03/21/25	
o-Xylene	ND	0.0250	1	03/19/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**87.1**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS218-0.5'

E503159-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/21/25	
Toluene	ND	0.0250	1	03/19/25	03/21/25	
o-Xylene	ND	0.0250	1	03/19/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	**27.6**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**131**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS230-0.5'

E503159-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/21/25	
Toluene	ND	0.0250	1	03/19/25	03/21/25	
o-Xylene	ND	0.0250	1	03/19/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**40.6**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS226-0.5'

E503159-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/21/25	
Toluene	ND	0.0250	1	03/19/25	03/21/25	
o-Xylene	ND	0.0250	1	03/19/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**57.3**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS219-0.5'

E503159-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/21/25	
Toluene	ND	0.0250	1	03/19/25	03/21/25	
o-Xylene	ND	0.0250	1	03/19/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**28.7**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS215-0.5'

E503159-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Benzene	ND	0.0250	1	03/19/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/21/25	
Toluene	ND	0.0250	1	03/19/25	03/21/25	
o-Xylene	ND	0.0250	1	03/19/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512094
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/19/25*	*03/21/25*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512092
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512116
Chloride	**55.2**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS217-0.5'

E503159-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Benzene	ND	0.0250	1	03/19/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/22/25	
Toluene	ND	0.0250	1	03/19/25	03/22/25	
o-Xylene	ND	0.0250	1	03/19/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**165**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS249-0.5'

E503159-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Benzene	ND	0.0250	1	03/19/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/21/25	
Toluene	ND	0.0250	1	03/19/25	03/21/25	
o-Xylene	ND	0.0250	1	03/19/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*03/19/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**72.6**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS253-0.5'

E503159-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Benzene	ND	0.0250	1	03/19/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/22/25	
Toluene	ND	0.0250	1	03/19/25	03/22/25	
o-Xylene	ND	0.0250	1	03/19/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**31.6**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS237-0.5'

E503159-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Benzene	ND	0.0250	1	03/19/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/22/25	
Toluene	ND	0.0250	1	03/19/25	03/22/25	
o-Xylene	ND	0.0250	1	03/19/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**90.2**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS229-0.5'

E503159-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Benzene	ND	0.0250	1	03/19/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/22/25	
Toluene	ND	0.0250	1	03/19/25	03/22/25	
o-Xylene	ND	0.0250	1	03/19/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512114
Diesel Range Organics (C10-C28)	**29.2**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**85.8**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS212-0.5'

E503159-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Benzene	ND	0.0250	1	03/19/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/22/25	
Toluene	ND	0.0250	1	03/19/25	03/22/25	
o-Xylene	ND	0.0250	1	03/19/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**67.8**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS208-0.5'

E503159-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Benzene	ND	0.0250	1	03/19/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/22/25	
Toluene	ND	0.0250	1	03/19/25	03/22/25	
o-Xylene	ND	0.0250	1	03/19/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512114
Diesel Range Organics (C10-C28)	**28.8**	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**123**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS227-0.5'

E503159-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Benzene	ND	0.0250	1	03/19/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/22/25	
Toluene	ND	0.0250	1	03/19/25	03/22/25	
o-Xylene	ND	0.0250	1	03/19/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**81.5**	20.0	1	03/19/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

FS216-0.5'

E503159-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Benzene	ND	0.0250	1	03/19/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/22/25	
Toluene	ND	0.0250	1	03/19/25	03/22/25	
o-Xylene	ND	0.0250	1	03/19/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512103
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*03/19/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512114
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/20/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/19/25*	*03/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512115
Chloride	**27.3**	20.0	1	03/19/25	03/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512094-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
LCS (2512094-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Benzene	2.08	0.0250	2.50		83.1	70-130			
Ethylbenzene	2.16	0.0250	2.50		86.5	70-130			
Toluene	2.23	0.0250	2.50		89.2	70-130			
o-Xylene	2.21	0.0250	2.50		88.5	70-130			
p,m-Xylene	4.55	0.0500	5.00		91.0	70-130			
Total Xylenes	6.76	0.0250	7.50		90.1	70-130			
Surrogate: Bromofluorobenzene	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.538*		*0.500*		*108*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
Matrix Spike (2512094-MS1)				**Source: E503159-02**					Prepared: 03/19/25 Analyzed: 03/20/25
Benzene	2.07	0.0250	2.50	ND	82.7	48-131			
Ethylbenzene	2.18	0.0250	2.50	ND	87.2	45-135			
Toluene	2.25	0.0250	2.50	ND	90.2	48-130			
o-Xylene	2.18	0.0250	2.50	ND	87.3	43-135			
p,m-Xylene	4.52	0.0500	5.00	ND	90.4	43-135			
Total Xylenes	6.70	0.0250	7.50	ND	89.4	43-135			
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2512094-MSD1)				**Source: E503159-02**					Prepared: 03/19/25 Analyzed: 03/20/25
Benzene	2.30	0.0250	2.50	ND	92.1	48-131	10.8	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.5	45-135	10.1	27	
Toluene	2.49	0.0250	2.50	ND	99.7	48-130	10.0	24	
o-Xylene	2.43	0.0250	2.50	ND	97.3	43-135	10.9	27	
p,m-Xylene	5.01	0.0500	5.00	ND	100	43-135	10.2	27	
Total Xylenes	7.44	0.0250	7.50	ND	99.2	43-135	10.4	27	
Surrogate: Bromofluorobenzene	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512103-BLK1)									Prepared: 03/19/25 Analyzed: 03/21/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.03*		*8.00*		*100*	*70-130*			
LCS (2512103-BS1)									Prepared: 03/19/25 Analyzed: 03/21/25
Benzene	5.08	0.0250	5.00		102	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.20*		*8.00*		*103*	*70-130*			
Matrix Spike (2512103-MS1)				**Source: E503159-22**					Prepared: 03/19/25 Analyzed: 03/21/25
Benzene	5.09	0.0250	5.00	ND	102	70-130			
Ethylbenzene	5.05	0.0250	5.00	ND	101	70-130			
Toluene	5.11	0.0250	5.00	ND	102	70-130			
o-Xylene	5.07	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.32*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2512103-MSD1)				**Source: E503159-22**					Prepared: 03/19/25 Analyzed: 03/22/25
Benzene	5.31	0.0250	5.00	ND	106	70-130	4.24	27	
Ethylbenzene	5.22	0.0250	5.00	ND	104	70-130	3.23	26	
Toluene	5.32	0.0250	5.00	ND	106	70-130	4.03	20	
o-Xylene	5.23	0.0250	5.00	ND	105	70-130	3.13	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	3.45	23	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	3.34	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.00*		*8.00*		*100*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512094-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
LCS (2512094-BS2)									Prepared: 03/19/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.4	70-130			
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			
Matrix Spike (2512094-MS2)				**Source: E503159-02**					Prepared: 03/19/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130			
Surrogate: Bromofluorobenzene	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2512094-MSD2)				**Source: E503159-02**					Prepared: 03/19/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.7	70-130	2.74	20	
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.532*		*0.500*		*106*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512103-BLK1)									Prepared: 03/19/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.4*	*70-130*			
LCS (2512103-BS2)									Prepared: 03/19/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0		91.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.3*	*70-130*			
Matrix Spike (2512103-MS2)				**Source: E503159-22**					Prepared: 03/19/25 Analyzed: 03/22/25
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.4*	*70-130*			
Matrix Spike Dup (2512103-MSD2)				**Source: E503159-22**					Prepared: 03/19/25 Analyzed: 03/22/25
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.4	70-130	1.99	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*8.00*		*92.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512092-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.3*		*50.0*		*115*	*61-141*			
LCS (2512092-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	266	25.0	250		107	66-144			
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*61-141*			
Matrix Spike (2512092-MS1)				**Source: E503159-13**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	294	25.0	250	30.4	106	56-156			
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*61-141*			
Matrix Spike Dup (2512092-MSD1)				**Source: E503159-13**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	294	25.0	250	30.4	105	56-156	0.137	20	
Surrogate: n-Nonane	*53.3*		*50.0*		*107*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512114-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*61-141*			
LCS (2512114-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	66-144			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*61-141*			
Matrix Spike (2512114-MS1)				**Source: E503159-23**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*61-141*			
Matrix Spike Dup (2512114-MSD1)				**Source: E503159-23**					Prepared: 03/19/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156	1.04	20	
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512115-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	ND	20.0							
LCS (2512115-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2512115-MS1)				**Source: E503151-02**					Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	1830	20.0	250	1560	106	80-120			
Matrix Spike Dup (2512115-MSD1)				**Source: E503151-02**					Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	1790	20.0	250	1560	91.6	80-120	1.97	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/25/2025 1:46:45PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512116-BLK1)									Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	ND	20.0							
LCS (2512116-BS1)									Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2512116-MS1)				**Source: E503159-04**					Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	292	20.0	250	35.4	103	80-120			
Matrix Spike Dup (2512116-MSD1)				**Source: E503159-04**					Prepared: 03/19/25 Analyzed: 03/20/25
Chloride	292	20.0	250	35.4	103	80-120	0.0672	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/25/25 13:46

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503159	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 well Pad	Address: 3122 National Parks Hwy	Job Number 23003-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1234	3-17-25	S	1	FS205 - 0.5'		1						x			Corrected
1248			1	FS206 - 0.5'		2						x			Sample name
1241			1	FS203 - 0.5'		3						x			for Sample
1243			1	FS164 - 0.5'		4						x			#16 per
1244			1	FS162 - 0.5'		5						x			Client
1348			1	FS228 - 0.5'		6						x			3/19/25 CM
1352			1	FS222 - 0.5'		7						x			
1309			1	FS189 - 0.5'		8						x			
1246			1	FS204 - 0.5'		9						x			
1349			1	FS231 - 0.5'		10						x			

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/18/25	7:11	Michelle Gonzales	3.18.25	0711
Michelle Gonzales	3-18-25	1645		3.18.25	1700
	3.18.25	2300		3-19-25	0400

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503159	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dec Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1306	3-17-25	S	1	FS188-0.5'		11						x						
1352	"	"	1	FS254-0.5'		12						x						
1354	"	"	1	FS250-0.5'		13						x						
1342	"	"	1	FS224-0.5		14						x						
1341	"	"	1	FS221-0.5		15						x						
1315	"	"	1	~~FS231-0.5~~ FS218-0.5'		16						x						CM 3/19/25
1347	"	"	1	FS230-0.5'		17						x						
1344	"	"	1	FS226-0.5'		18						x						
1313	"	"	1	FS219-0.5'		19						x						
1303	"	"	1	FS215-0.5'		20						x						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3-18-25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Page 485 of 1003

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503159	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1301	3-17-25	S	1	FS 217 - 0.5'		21						X						
1357			1	FS 249 - 0.5'		22						X						
1353			1	FS 253 - 0.5'		23						X						
1359			1	FS 237 - 0.5'		24						X						
1346			1	FS 229 - 0.5'		25						X						
1261			1	FS 212 - 0.5'		26						X						
1237			1	FS 208 - 0.5'		27						X						
1343			1	FS 227 - 0.5'		28						X						
1311			1	FS 216 - 0.5'		29						X						
												X						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3.18.25	1645		3.18.25	1200
	3.18.25	2300		3-19-25	0400

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503159	Job Number 23003.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee Osborne 123 well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Analysis and Method / **EPA Program**

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1239	3-17-25	S	1	FS205 - 0.5'		1						x			
1248			1	FS206 - 0.5'		2						x			
1241			1	FS203 - 0.5'		3						x			
1243			1	FS164 - 0.5'		4						x			
1244			1	FS162 - 0.5'		5						x			
1348			1	FS228 - 0.5'		6						x			
1352			1	FS222 - 0.5'		7						x			
1309			1	FS189 - 0.5'		8						x			
1246			1	FS204 - 0.5'		9						x			
1349			1	FS231 - 0.5'		10						x			

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3.18.25	0711
Michelle Gonzales	3-18-25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	Kayla R Hall	3-19-25	0400

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503159	1D 2D 3D Std	NM CO UT TX
Project: Dec Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1306	3-17-25	S	1	FS188-0.5'		11						x						
1352	"	"	1	FS254-0.5'		12						x						
1354	"	"	1	FS250-0.5'		13						x						
1342	"	"	1	FS224-0.5		14						x						
1341	"	"	1	FS221-0.5		15						x						
1315	"	"	1	FS281-0.5		16						x						
1347	"	"	1	FS230-0.5'		17						x						
1344	"	"	1	FS226-0.5'		18						x						
1313	"	"	1	FS219-0.5'		19						x						
1303	"	"	1	FS215-0.5'		20						x						

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3-18-25	1645	[signature]	3.18.25	1700
[signature]	3.18.25	2300	[signature]	3-19-25	0400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E603159	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1301	3-17-25	S	1	FS 217 - 0.5'		21						x						
1357			1	FS 249 - 0.5'		22						x						
1353			1	FS 253 - 0.5'		23						x						
1359			1	FS 237 - 0.5'		24						x						
1346			1	FS 229 - 0.5'		25						x						
1261			1	FS 212 - 0.5'		26						x						
1237			1	FS 208 - 0.5'		27						x						
1343			1	FS 227 - 0.5'		28						x						
1311			1	FS 216 - 0.5'		29						x						
												x						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/18/25	7:11	Michelle Gonzales	3-18-25	0711
Michelle Gonzales	3.18.25	1645		3.18.25	1200
	3.18.25	2300		3-19-25	0400

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/19/2025 9:38:45AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/19/25 04:00	Work Order ID:	E503159
Phone:	(972) 371-5200	Date Logged In:	03/18/25 16:09	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into multiple WOs due to sample volume, WOs are E503152-E503159.

Client Instruction

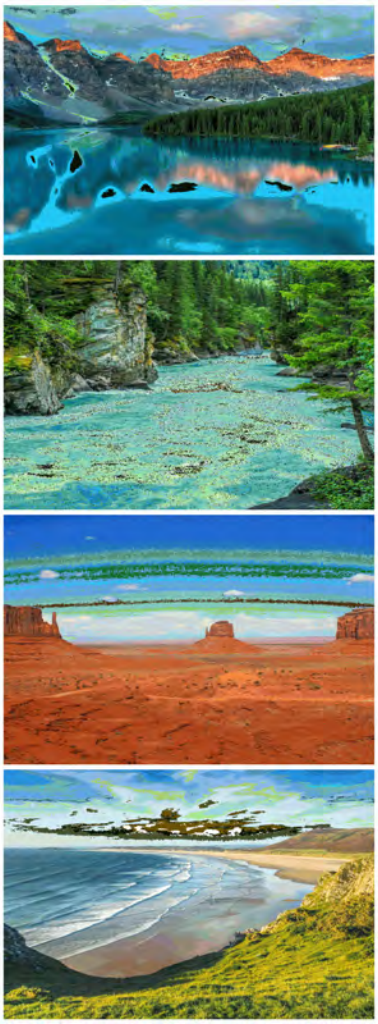
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503169
Job Number:	23003-0002
Received:	3/20/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/25

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

Date Reported: 4/1/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503169
Date Received: 3/20/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/20/2025 7:30:00AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS255-0.5’ 6

FS247-0.5’ 7

FS257-0.5’ 8

FS258-0.5’ 9

FS246-0.5’ 10

FS248-0.5’ 11

FS262-0.5’ 12

FS252-0.5’ 13

FS239-0.5’ 14

FS251-0.5’ 15

FS234-0.5’ 16

FS243-0.5’ 17

FS60-1.5’ 18

FS69-1’ 19

FS16-1’ 20

FS197-0.5’ 21

FS92-1.5’ 22

FS87-1.5’ 23

QC Summary Data 24

QC - Volatile Organics by EPA 8021B 24

Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - GRO 25

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 26

QC - Anions by EPA 300.0/9056A 27

Definitions and Notes 28

Chain of Custody etc. 29

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/01/25 11:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS255-0.5'	E503169-01A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS247-0.5'	E503169-02A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS257-0.5'	E503169-03A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS258-0.5'	E503169-04A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS246-0.5'	E503169-05A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS248-0.5'	E503169-06A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS262-0.5'	E503169-07A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS252-0.5'	E503169-08A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS239-0.5'	E503169-09A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS251-0.5'	E503169-10A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS234-0.5'	E503169-11A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS243-0.5'	E503169-12A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS60-1.5'	E503169-13A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS69-1'	E503169-14A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS16-1'	E503169-15A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS197-0.5'	E503169-16A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS92-1.5'	E503169-17A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS87-1.5'	E503169-18A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS255-0.5'

E503169-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/22/25	
Toluene	ND	0.0250	1	03/20/25	03/22/25	
o-Xylene	ND	0.0250	1	03/20/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*03/20/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*03/20/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*99.7 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	ND	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS247-0.5'

E503169-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*96.6 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**21.5**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS257-0.5'

E503169-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	**27.7**	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**68.0**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS258-0.5'

E503169-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*92.3 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**54.4**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS246-0.5'

E503169-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	**0.0374**	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*96.8 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**32.5**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS248-0.5'

E503169-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*95.8 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**50.0**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS262-0.5'

E503169-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*90.1 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	ND	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS252-0.5'

E503169-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	**26.3**	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**73.0**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS239-0.5'

E503169-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*95.7 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**121**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS251-0.5'

E503169-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	**35.4**	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**102**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS234-0.5'

E503169-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	**49.7**	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**45.6**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS243-0.5'

E503169-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*94.7 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**75.9**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS60-1.5'

E503169-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*96.7 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**184**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS69-1'

E503169-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**171**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS16-1'

E503169-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**162**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS197-0.5'

E503169-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**66.2**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS92-1.5'

E503169-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**92.8**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

FS87-1.5'

E503169-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512132
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF			Batch: 2512128
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2512139
Chloride	**56.8**	20.0	1	03/20/25	03/21/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512132-BLK1)									Prepared: 03/20/25 Analyzed: 03/22/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.2*	*70-130*			
LCS (2512132-BS1)									Prepared: 03/20/25 Analyzed: 03/22/25
Benzene	4.26	0.0250	5.00		85.2	70-130			
Ethylbenzene	4.09	0.0250	5.00		81.8	70-130			
Toluene	4.20	0.0250	5.00		84.0	70-130			
o-Xylene	4.10	0.0250	5.00		81.9	70-130			
p,m-Xylene	8.23	0.0500	10.0		82.3	70-130			
Total Xylenes	12.3	0.0250	15.0		82.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.88*		*8.00*		*98.5*	*70-130*			
Matrix Spike (2512132-MS1)				**Source: E503169-02**					Prepared: 03/20/25 Analyzed: 03/22/25
Benzene	4.88	0.0250	5.00	ND	97.6	70-130			
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	70-130			
Toluene	4.82	0.0250	5.00	ND	96.4	70-130			
o-Xylene	4.72	0.0250	5.00	ND	94.4	70-130			
p,m-Xylene	9.45	0.0500	10.0	ND	94.5	70-130			
Total Xylenes	14.2	0.0250	15.0	ND	94.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.94*		*8.00*		*99.3*	*70-130*			
Matrix Spike Dup (2512132-MSD1)				**Source: E503169-02**					Prepared: 03/20/25 Analyzed: 03/22/25
Benzene	4.85	0.0250	5.00	ND	97.0	70-130	0.659	27	
Ethylbenzene	4.68	0.0250	5.00	ND	93.6	70-130	0.584	26	
Toluene	4.79	0.0250	5.00	ND	95.8	70-130	0.670	20	
o-Xylene	4.68	0.0250	5.00	ND	93.7	70-130	0.754	25	
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	70-130	0.665	23	
Total Xylenes	14.1	0.0250	15.0	ND	93.8	70-130	0.694	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.95*		*8.00*		*99.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512132-BLK1)									Prepared: 03/20/25 Analyzed: 03/22/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			
LCS (2512132-BS2)									Prepared: 03/20/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike (2512132-MS2)				**Source: E503169-02**					Prepared: 03/20/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.2*	*70-130*			
Matrix Spike Dup (2512132-MSD2)				**Source: E503169-02**					Prepared: 03/20/25 Analyzed: 03/22/25
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.0	70-130	1.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512128-BLK1)									Prepared: 03/20/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.5*		*50.0*		*95.0*	*61-141*			
LCS (2512128-BS1)									Prepared: 03/20/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
Matrix Spike (2512128-MS1)				**Source: E503169-05**					Prepared: 03/20/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	284	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	*52.3*		*50.0*		*105*	*61-141*			
Matrix Spike Dup (2512128-MSD1)				**Source: E503169-05**					Prepared: 03/20/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156	0.241	20	
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/1/2025 11:27:49AM

Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512139-BLK1)									Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	ND	20.0							
LCS (2512139-BS1)									Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2512139-MS1)				**Source: E503169-02**					Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	280	20.0	250	21.5	104	80-120			
Matrix Spike Dup (2512139-MSD1)				**Source: E503169-02**					Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	279	20.0	250	21.5	103	80-120	0.430	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/01/25 11:27

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.

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E503169	1D 2D 3D Std	NM CO UT TX
Project: Dec Osborne 123 well pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
0857	3/10/2025	Soil	1	FS255-0.5'		1						X			
0905				247-		2						X			
0904				257-		3						X			
0903				258-		4						X			
0906				246-		5						X			
0906				248-		6						X			
0859				262-		7						X			
0855				252-		8						X			
0831				234-		9						X			
0912				251-		10						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/19/25	7:11	Michelle Gonzales	3-19-25	0711
Michelle Gonzales	3-19-25	1545	Richard Gonzales	3-19-25	1545
Richard Gonzales	3-19-25	2145	Caitlin Mars	3-20-25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E503169	Job Number 23018.0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dec Osborne 123 Well pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
JH 0901	~~3/18/2025~~	Soil	1	~~FS235 0.5'~~								~~X~~			
0859				234-1		11						X			
0902				238-↓		12						X			
0858				60-1.5'		13						X			
0845				64-1'		14						X			
0847				16-1'		15						X			
JH ~~1001~~				~~65-1.5'~~								~~X~~			
0855				197-0.5'		16						X			
1030				42-1.5'		17						X			
1034	↓	↓	↓	87-1.5		18						X			

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/19/25	7:11	Michelle Gonzales	3-19-25	0711
Michelle Gonzales	3-19-25	1545	Richard Gonzales	3-19-25	1545
Richard Gonzales	3-19-25	2145	Caitlin Mason	3-20-25	730

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

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/20/2025 10:26:58AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/20/25 07:30	Work Order ID:	E503169
Phone:	(972) 371-5200	Date Logged In:	03/19/25 14:48	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/26/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 2 reports due to sample volume. WO are E503169 & E503170.

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E503169	1D 2D 3D Std	NM CO UT TX
Project: Dec Osbarne 123 well pad	Address: 3122 National Parks Hwy	Job Number 25003-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
0857	3/10/2025	Soil	1	FS255-0.5'		1						X			Corrected Sample Names for Samples 9 & 12 Per C. Hamilton 4/1/25 CM
0905				247-		2						X			
0904				257-		3						X			
0903				258-		4						X			
0906				246-		5						X			
0906				248-		6						X			
0859				262-		7						X			
0855				252-		8						X			
0831				~~230-~~ 239 CM		9						X			
0912				251-		10						X			

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/19/25	7:11	Michelle Gonzales	3-19-25	0711
Michelle Gonzales	3-19-25	1545	Richard Gonzales	3-19-25	1545
Richard Gonzales	3-19-25	2145	Caitlin Mars	3-20-25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Page 522 of 1003

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E503169	Job Number 23088-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dec Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
~~0901~~	~~3/18/25~~	Soil	1	FS 235 0.5'											
0850				234 - 1		11									
0902				~~238~~ 243		12	CM								
0958				60 - 1.5'		13									
0945				64 - 1'		14									
0947				16 - 1'		15									
~~1001~~				~~65 - 1.5'~~											
0855				197 - 0.5'		16									
1030				42 - 1.5'		17									
1034				87 - 1.5		18									

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/19/25	7:11	Michelle Gonzales	3-19-25	0711
Michelle Gonzales	3-19-25	1545	Richard Gonzales	3-19-25	1545
Richard Gonzales	3-19-25	2145	Caitlin Mason	3.20.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Page 523 of 1003

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503170
Job Number:	23003-0002
Received:	3/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/26/25

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

Date Reported: 3/26/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503170
Date Received: 3/20/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/20/2025 7:30:00AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS95-1.5’ 6

SW01-0’-1’ 7

SW02-0’-1’ 8

FS264-0.5’ 9

FS85-1’ 10

FS265-0.5’ 11

FS263-0.5’ 12

FS240-0.5’ 13

FS64-1.5’ 14

FS260-0.5’ 15

FS40-1.5’ 16

FS91-0.5’ 17

FS242-0.5’ 18

FS241-0.5’ 19

FS172-0.5’ 20

FS244-0.5’ 21

FS256-0.5’ 22

FS245-0.5’ 23

FS198-0.5’ 24

FS133-0.5’ 25

Table of Contents (continued)

FS259-0.5’ 26

FS261-0.5’ 27

FS36-1’ 28

FS201-1.5’ 29

FS47-1.5’ 30

FS49-1.5’ 31

FS61-1.5’ 32

FS62-1.5’ 33

FS65-1.5’ 34

QC Summary Data 35

QC - Volatile Organics by EPA 8021B 35

QC - Nonhalogenated Organics by EPA 8015D - GRO 37

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 39

QC - Anions by EPA 300.0/9056A 42

Definitions and Notes 44

Chain of Custody etc. 45

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/26/25 14:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS95-1.5'	E503170-01A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
SW01-0'-1'	E503170-02A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
SW02-0'-1'	E503170-03A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS264-0.5'	E503170-04A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS85-1'	E503170-05A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS265-0.5'	E503170-06A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS263-0.5'	E503170-07A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS240-0.5'	E503170-08A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS64-1.5'	E503170-09A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS260-0.5'	E503170-10A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS40-1.5'	E503170-11A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS91-0.5'	E503170-12A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS242-0.5'	E503170-13A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS241-0.5'	E503170-14A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS172-0.5'	E503170-15A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS244-0.5'	E503170-16A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS256-0.5'	E503170-17A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS245-0.5'	E503170-18A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS198-0.5'	E503170-19A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS133-0.5'	E503170-20A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS259-0.5'	E503170-21A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS261-0.5'	E503170-22A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS36-1'	E503170-23A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS201-1.5'	E503170-24A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS47-1.5'	E503170-25A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS49-1.5'	E503170-26A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS61-1.5'	E503170-27A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS62-1.5'	E503170-28A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.
FS65-1.5'	E503170-29A	Soil	03/18/25	03/20/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS95-1.5'

E503170-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/22/25	
Toluene	ND	0.0250	1	03/20/25	03/22/25	
o-Xylene	ND	0.0250	1	03/20/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.5 %*	*70-130*	*03/20/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*03/20/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*131 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**62.2**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

SW01-0'-1'

E503170-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/22/25	
Toluene	ND	0.0250	1	03/20/25	03/22/25	
o-Xylene	ND	0.0250	1	03/20/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.3 %*	*70-130*	*03/20/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*03/20/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*136 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**72.0**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

SW02-0'-1'

E503170-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/22/25	
Toluene	ND	0.0250	1	03/20/25	03/22/25	
o-Xylene	ND	0.0250	1	03/20/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.9 %*	*70-130*	*03/20/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*03/20/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2513012
Diesel Range Organics (C10-C28)	**57.9**	25.0	1	03/20/25	03/24/25	
Oil Range Organics (C28-C36)	**81.6**	50.0	1	03/20/25	03/24/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/20/25*	*03/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**311**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS264-0.5'

E503170-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.0 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*125 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**20.9**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS85-1'

E503170-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.9 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*135 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**358**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS265-0.5'

E503170-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.4 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*131 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**31.1**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS263-0.5'

E503170-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.6 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	**33.0**	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*129 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**53.1**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS240-0.5'

E503170-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.5 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*125 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	ND	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS64-1.5'

E503170-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.4 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*122 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**217**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS260-0.5'

E503170-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.0 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**54.6**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS40-1.5'

E503170-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.8 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**87.1**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS91-0.5'

E503170-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.6 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	**36.7**	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*95.5 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**278**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS242-0.5'

E503170-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.3 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	**33.1**	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**37.1**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS241-0.5'

E503170-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.5 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	**30.1**	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*94.4 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**47.0**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS172-0.5'

E503170-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.6 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	**383**	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	**721**	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*97.1 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**187**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS244-0.5'

E503170-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.1 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	**38.6**	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*96.5 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**47.1**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS256-0.5'

E503170-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.3 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*85.7 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**23.7**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS245-0.5'

E503170-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.0 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*92.2 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**75.1**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS198-0.5'

E503170-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.1 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	**27.0**	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*99.1 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**44.0**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS133-0.5'

E503170-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Benzene	ND	0.0250	1	03/20/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/23/25	
Toluene	ND	0.0250	1	03/20/25	03/23/25	
o-Xylene	ND	0.0250	1	03/20/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*79.3 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2512133
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*03/20/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2512129
Diesel Range Organics (C10-C28)	**40.3**	25.0	1	03/20/25	03/22/25	
Oil Range Organics (C28-C36)	**62.1**	50.0	1	03/20/25	03/22/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/20/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512141
Chloride	**201**	20.0	1	03/20/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS259-0.5'

E503170-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/21/25	
Toluene	ND	0.0250	1	03/20/25	03/21/25	
o-Xylene	ND	0.0250	1	03/20/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.5 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512125
Chloride	**37.1**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS261-0.5'

E503170-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/21/25	
Toluene	ND	0.0250	1	03/20/25	03/21/25	
o-Xylene	ND	0.0250	1	03/20/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*80.8 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512127
Diesel Range Organics (C10-C28)	**29.0**	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*98.3 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512125
Chloride	**53.6**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS36-1'

E503170-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/21/25	
Toluene	ND	0.0250	1	03/20/25	03/21/25	
o-Xylene	ND	0.0250	1	03/20/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*81.7 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*98.5 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512125
Chloride	**258**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS201-1.5'

E503170-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/21/25	
Toluene	ND	0.0250	1	03/20/25	03/21/25	
o-Xylene	ND	0.0250	1	03/20/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.4 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*97.7 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512125
Chloride	**217**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS47-1.5'

E503170-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/21/25	
Toluene	ND	0.0250	1	03/20/25	03/21/25	
o-Xylene	ND	0.0250	1	03/20/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.5 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*98.3 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512125
Chloride	**162**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS49-1.5'

E503170-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/21/25	
Toluene	ND	0.0250	1	03/20/25	03/21/25	
o-Xylene	ND	0.0250	1	03/20/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.2 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*03/20/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512125
Chloride	**142**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS61-1.5'

E503170-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/24/25	
Toluene	ND	0.0250	1	03/20/25	03/24/25	
o-Xylene	ND	0.0250	1	03/20/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.7 %*	*70-130*	*03/20/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*03/20/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*99.4 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512125
Chloride	**276**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS62-1.5'

E503170-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/24/25	
Toluene	ND	0.0250	1	03/20/25	03/24/25	
o-Xylene	ND	0.0250	1	03/20/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.4 %*	*70-130*	*03/20/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*03/20/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512125
Chloride	**173**	20.0	1	03/20/25	03/20/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

FS65-1.5'

E503170-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Benzene	ND	0.0250	1	03/20/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/20/25	03/24/25	
Toluene	ND	0.0250	1	03/20/25	03/24/25	
o-Xylene	ND	0.0250	1	03/20/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/20/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/20/25	03/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*83.0 %*	*70-130*	*03/20/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2512123
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/20/25	03/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*03/20/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512127
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*03/20/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512125
Chloride	**73.5**	20.0	1	03/20/25	03/20/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512123-BLK1)									Prepared: 03/20/25 Analyzed: 03/20/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.62*		*8.00*		*82.8*	*70-130*			
LCS (2512123-BS1)									Prepared: 03/20/25 Analyzed: 03/20/25
Benzene	4.96	0.0250	5.00		99.2	70-130			
Ethylbenzene	4.77	0.0250	5.00		95.4	70-130			
Toluene	4.89	0.0250	5.00		97.7	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.69	0.0500	10.0		96.9	70-130			
Total Xylenes	14.4	0.0250	15.0		96.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.71*		*8.00*		*83.8*	*70-130*			
Matrix Spike (2512123-MS1)				**Source: E503168-24**					Prepared: 03/20/25 Analyzed: 03/20/25
Benzene	5.00	0.0250	5.00	ND	100	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	70-130			
Toluene	4.91	0.0250	5.00	ND	98.2	70-130			
o-Xylene	4.79	0.0250	5.00	ND	95.8	70-130			
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.97*		*8.00*		*87.1*	*70-130*			
Matrix Spike Dup (2512123-MSD1)				**Source: E503168-24**					Prepared: 03/20/25 Analyzed: 03/20/25
Benzene	5.05	0.0250	5.00	ND	101	70-130	1.06	27	
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	70-130	0.838	26	
Toluene	4.97	0.0250	5.00	ND	99.4	70-130	1.13	20	
o-Xylene	4.82	0.0250	5.00	ND	96.4	70-130	0.627	25	
p,m-Xylene	9.82	0.0500	10.0	ND	98.2	70-130	0.758	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	70-130	0.715	26	
Surrogate: 4-Bromochlorobenzene-PID	*6.88*		*8.00*		*86.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512133-BLK1)									Prepared: 03/20/25 Analyzed: 03/22/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.37*		*8.00*		*79.6*	*70-130*			
LCS (2512133-BS1)									Prepared: 03/20/25 Analyzed: 03/22/25
Benzene	5.29	0.0250	5.00		106	70-130			
Ethylbenzene	5.07	0.0250	5.00		101	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.60*		*8.00*		*82.5*	*70-130*			
Matrix Spike (2512133-MS1)				**Source: E503170-05**					Prepared: 03/20/25 Analyzed: 03/22/25
Benzene	4.98	0.0250	5.00	ND	99.6	70-130			
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	70-130			
Toluene	4.90	0.0250	5.00	ND	98.0	70-130			
o-Xylene	4.76	0.0250	5.00	ND	95.2	70-130			
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.72*		*8.00*		*84.0*	*70-130*			
Matrix Spike Dup (2512133-MSD1)				**Source: E503170-05**					Prepared: 03/20/25 Analyzed: 03/22/25
Benzene	5.39	0.0250	5.00	ND	108	70-130	7.87	27	
Ethylbenzene	5.15	0.0250	5.00	ND	103	70-130	7.84	26	
Toluene	5.30	0.0250	5.00	ND	106	70-130	7.78	20	
o-Xylene	5.13	0.0250	5.00	ND	103	70-130	7.50	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	7.72	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	7.65	26	
Surrogate: 4-Bromochlorobenzene-PID	*6.65*		*8.00*		*83.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512123-BLK1)									Prepared: 03/20/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.3*	*70-130*			
LCS (2512123-BS2)									Prepared: 03/20/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0		80.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.8*	*70-130*			
Matrix Spike (2512123-MS2)				**Source: E503168-24**					Prepared: 03/20/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	40.0	20.0	50.0	ND	79.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2512123-MSD2)				**Source: E503168-24**					Prepared: 03/20/25 Analyzed: 03/20/25
Gasoline Range Organics (C6-C10)	40.6	20.0	50.0	ND	81.3	70-130	1.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512133-BLK1)									Prepared: 03/20/25 Analyzed: 03/22/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			
LCS (2512133-BS2)									Prepared: 03/20/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.65*		*8.00*		*95.6*	*70-130*			
Matrix Spike (2512133-MS2)				**Source: E503170-05**					Prepared: 03/20/25 Analyzed: 03/22/25
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.4*	*70-130*			
Matrix Spike Dup (2512133-MSD2)				**Source: E503170-05**					Prepared: 03/20/25 Analyzed: 03/22/25
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.6	70-130	0.0845	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.70*		*8.00*		*96.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512127-BLK1)									Prepared: 03/20/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.6*		*50.0*		*97.2*	*61-141*			
LCS (2512127-BS1)									Prepared: 03/20/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	258	25.0	250		103	66-144			
Surrogate: n-Nonane	*47.4*		*50.0*		*94.7*	*61-141*			
Matrix Spike (2512127-MS1)				**Source: E503170-29**					Prepared: 03/20/25 Analyzed: 03/20/25
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*61-141*			
Matrix Spike Dup (2512127-MSD1)				**Source: E503170-29**					Prepared: 03/20/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156	0.215	20	
Surrogate: n-Nonane	*49.3*		*50.0*		*98.6*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512129-BLK1)									Prepared: 03/20/25 Analyzed: 03/22/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*68.0*		*50.0*		*136*	*61-141*			
LCS (2512129-BS1)									Prepared: 03/20/25 Analyzed: 03/22/25
Diesel Range Organics (C10-C28)	256	25.0	250		103	66-144			
Surrogate: n-Nonane	*49.4*		*50.0*		*98.8*	*61-141*			
Matrix Spike (2512129-MS1)				**Source: E503170-01**					Prepared: 03/20/25 Analyzed: 03/22/25
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*61-141*			
Matrix Spike Dup (2512129-MSD1)				**Source: E503170-01**					Prepared: 03/20/25 Analyzed: 03/22/25
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156	0.937	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2513012-BLK1)									Prepared: 03/24/25 Analyzed: 03/24/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*61-141*			
LCS (2513012-BS1)									Prepared: 03/24/25 Analyzed: 03/24/25
Diesel Range Organics (C10-C28)	286	25.0	250		114	66-144			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*61-141*			
Matrix Spike (2513012-MS1)				**Source: E503190-01**					Prepared: 03/24/25 Analyzed: 03/24/25
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156			
Surrogate: n-Nonane	*51.9*		*50.0*		*104*	*61-141*			
Matrix Spike Dup (2513012-MSD1)				**Source: E503190-01**					Prepared: 03/24/25 Analyzed: 03/24/25
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156	3.46	20	
Surrogate: n-Nonane	*46.3*		*50.0*		*92.5*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512125-BLK1)									Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	ND	20.0							
LCS (2512125-BS1)									Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2512125-MS1)				**Source: E503168-25**					Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2512125-MSD1)				**Source: E503168-25**					Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	264	20.0	250	ND	106	80-120	0.514	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 2:20:41PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512141-BLK1)									Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	ND	20.0							
LCS (2512141-BS1)									Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2512141-MS1)				**Source: E503170-03**					Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	562	20.0	250	311	100	80-120			
Matrix Spike Dup (2512141-MSD1)				**Source: E503170-03**					Prepared: 03/20/25 Analyzed: 03/20/25
Chloride	538	20.0	250	311	90.6	80-120	4.39	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/26/25 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.

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E503170	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23C03-0002		x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		x	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1105	3/18/2025	Soil	1	FS 95 - 1.5'		1						X			
1202				SW01 - 0'-1'		2						X			
1205				SW02 - 0'-1'		3						X			
0908				FS264 - 0.5'		4						X			
0938				85 - 1'		5						X			
0900				265 - 0.5'		6						X			
0911				263 - 0.5'		7						X			
0857				240 - 0.5'		8						X			
1143				64 - 1.5'		9						X			
0910				260 - 0.5'		10						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/19/25	7:11	Michelle Gonzales	3-19-25	0741
Michelle Gonzales	3-19-25	1545	Richard Gonzales	3-19-25	1545
Richard Gonzales	3-19-25	2145	Caitlin Mars	3.20.2025	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E503170	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23030002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals
1067	3/18/2025	Soil	1	FS 40 - 1.5'		11						+		
1159				91 - 0.5'		12						+		
0900				242-		13						X		
0859				241-		14						X		
1035 ~~1053~~				172-		15						X		
0907				244-		16						X		
0858				256-		17						+		
0909				245-		18						X		
0913				198-		19						X		
1031				133-		20						X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/19/25	7:11	Michelle Gonzales	3-19-25	0711
Michelle Gonzales	3-19-25	1545	Richard Gonzales	3-19-25	1545
Richard Gonzales	3-19-25	2145	[signature]	3.20.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Matador Production Company	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Dee Osborne 123 well pad -	Address: 3122 National Parks Hwy	E503170	23003.0002				x	x				
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220											
Address: 3122 National Parks Hwy	Phone: 575-988-0055											
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com											
Phone: 575-988-0055	Miscellaneous:											
Email: agiovengo@ensolum.com												

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
0908	3-18-25	S	1	FS254-0.5'		21						+			
0901		S	1	261-0.5'		22						+			
1140		S	1	36-1'		23						+			
1252		S	1	201-1.5'		24						+			
0955		S	1	47-		25						+			
0957		S	1	49-		26						+			
1000		S	1	61-		27						+			
1009		S	1	62-		28						+			
1001		S	1	FS65-1.5'		29						X			

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3/19/25	7:11	Michelle Gonzales	3-19-25	0711
Michelle Gonzales	3-19-25	1545	Richard Gonzales	3-19-25	1545
Richard Gonzales	3-19-25	2145	Caitlin Mars	3-20-25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/20/2025 10:36:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/20/25 07:30	Work Order ID:	E503170
Phone:	(972) 371-5200	Date Logged In:	03/19/25 14:59	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/26/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 2 reports due to sample volume. WO are E503169 & E503170.

Client Instruction

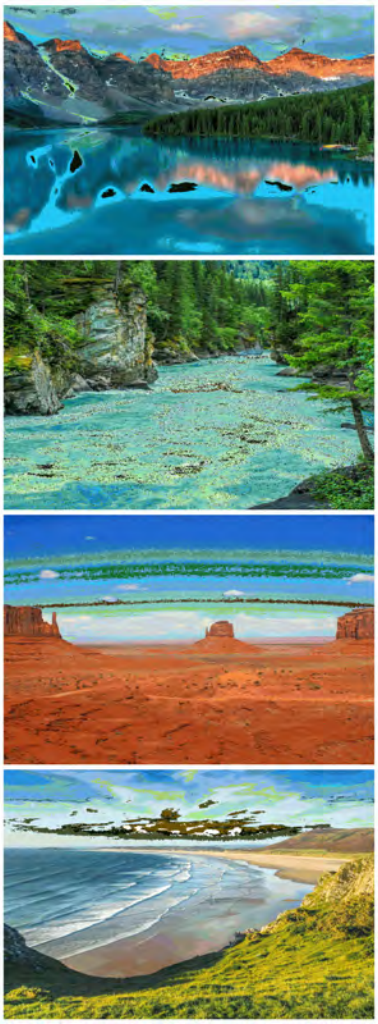
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503183
Job Number:	23003-0002
Received:	3/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/26/25

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

Date Reported: 3/26/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503183
Date Received: 3/20/2025 11:30:54PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/20/2025 11:30:54PM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- FS42-2.5’ 5
- FS43-2.5’ 6
- FS44-2.5’ 7
- FS46-2.5’ 8
- FS71-2’ 9
- FS72-2’ 10
- FS73-1.5’ 11
- FS77-2’ 12
- FS81-1.5’ 13
- FS86-2’ 14
- FS101-2’ 15
- FS102-3’ 16
- FS105-2’ 17

QC Summary Data 18

- QC - Volatile Organics by EPA 8021B 18
- QC - Nonhalogenated Organics by EPA 8015D - GRO 19
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 20
- QC - Anions by EPA 300.0/9056A 21

Definitions and Notes 22

Chain of Custody etc. 23

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/26/25 11:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS42-2.5'	E503183-01A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS43-2.5'	E503183-02A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS44-2.5'	E503183-03A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS46-2.5'	E503183-04A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS71-2'	E503183-05A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS72-2'	E503183-06A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS73-1.5'	E503183-07A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS77-2'	E503183-08A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS81-1.5'	E503183-09A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS86-2'	E503183-10A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS101-2'	E503183-11A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS102-3'	E503183-12A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.
FS105-2'	E503183-13A	Soil	03/20/25	03/20/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS42-2.5'

E503183-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*03/21/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.4 %*	*70-130*	*03/21/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**192**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS43-2.5'

E503183-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*03/21/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.3 %*	*70-130*	*03/21/25*	*03/21/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**75.9**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS44-2.5'

E503183-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.2 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**157**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS46-2.5'

E503183-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.8 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**86.4**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS71-2'

E503183-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.1 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*94.8 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**242**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS72-2'

E503183-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.3 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*97.5 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**255**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS73-1.5'

E503183-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.1 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**149**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS77-2'

E503183-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.7 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*97.2 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**187**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS81-1.5'

E503183-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.6 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**197**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS86-2'

E503183-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.7 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**138**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS101-2'

E503183-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.9 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*99.3 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**248**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS102-3'

E503183-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.8 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**390**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

FS105-2'

E503183-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512163
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.7 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2512168
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*98.6 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2512171
Chloride	**83.0**	20.0	1	03/21/25	03/21/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512163-BLK1)									Prepared: 03/21/25 Analyzed: 03/21/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.72*		*8.00*		*96.5*	*70-130*			
LCS (2512163-BS1)									Prepared: 03/21/25 Analyzed: 03/21/25
Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.45	0.0250	5.00		109	70-130			
o-Xylene	5.40	0.0250	5.00		108	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.77*		*8.00*		*97.1*	*70-130*			
LCS Dup (2512163-BSD1)									Prepared: 03/21/25 Analyzed: 03/21/25
Benzene	5.51	0.0250	5.00		110	70-130	2.43	20	
Ethylbenzene	5.37	0.0250	5.00		107	70-130	2.50	20	
Toluene	5.59	0.0250	5.00		112	70-130	2.56	20	
o-Xylene	5.53	0.0250	5.00		111	70-130	2.34	20	
p,m-Xylene	10.8	0.0500	10.0		108	70-130	2.47	20	
Total Xylenes	16.3	0.0250	15.0		109	70-130	2.42	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512163-BLK1)									Prepared: 03/21/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.72*		*8.00*		*84.0*	*70-130*			
LCS (2512163-BS2)									Prepared: 03/21/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.3*	*70-130*			
LCS Dup (2512163-BSD2)									Prepared: 03/21/25 Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0		98.0	70-130	7.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.92*		*8.00*		*86.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512168-BLK1)									Prepared: 03/21/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.2*		*50.0*		*98.4*	*61-141*			
LCS (2512168-BS1)									Prepared: 03/21/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	211	25.0	250		84.5	66-144			
Surrogate: n-Nonane	*46.2*		*50.0*		*92.4*	*61-141*			
Matrix Spike (2512168-MS1)				**Source: E503182-02**					Prepared: 03/21/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	213	25.0	250	ND	85.4	56-156			
Surrogate: n-Nonane	*46.2*		*50.0*		*92.4*	*61-141*			
Matrix Spike Dup (2512168-MSD1)				**Source: E503182-02**					Prepared: 03/21/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.5	56-156	4.64	20	
Surrogate: n-Nonane	*48.2*		*50.0*		*96.3*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/26/2025 11:59:21AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512171-BLK1)									Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	ND	20.0							
LCS (2512171-BS1)									Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512171-MS1)				**Source: E503182-02**					Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	5000	40.0	250	3990	404	80-120			M4
Matrix Spike Dup (2512171-MSD1)				**Source: E503182-02**					Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	3960	40.0	250	3990	NR	80-120	23.2	20	M4, R3

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/26/25 11:59

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E503183	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee OSborne 123 well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0827	3-20-25	S	1	FS42 - 2.5'		1						X						
0939	3-20-25	S	1	FS43 - 2.5'		2						X						
0824	3-20-25	S	1	FS44 - 2.5'		3						X						
0824	3-20-25	S	1	FS46 - 2.5'		4						X						
0858	3-20-25	S	1	FS71 - 2'		5						X						
0902	3-20-25	S	1	FS72 - 2'		6						X						
0904	3-20-25	S	1	FS73 - 1.5'		7						X						
0915	3-20-25	S	1	FS77 2'		8						X						
0842	3-20-25	S	1	FS81 - 1.5'		9						X						
0928	3-20-25	S	1	FS86 - 2'		10						X						

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

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

Sampled by: Israel Estrella HG Aiging Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3-20-25	1305	Michelle Gonzales	3.20.25	1305
Michelle Gonzales	3.20.25	1640		3.20.25	1700
	3.20.25	2300	Caitlin Mar	3.20.25	2400 2350 CM

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E503183	Job Number 23C03-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Dee Osborne 123 well pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0950	3-20-25	S	1	FS101 - 2'		11						X						
1036	3-20-25	S	1	FS ~~103~~ HG 102 - 3'		12						X						
0946	3-20-25	S	1	FS105 - 2'		13						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: ~~Israel Estrella~~ HG Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3-20-25	1305	Michelle Gonzales	3.20.25	1305
Michelle Gonzales	3-20-25	1640		3.20.25	1700
	3.20.25	2300		3.20.25	~~2400~~ 2330 CM
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/21/2025 9:18:02AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/20/25 23:30	Work Order ID:	E503183
Phone:	(972) 371-5200	Date Logged In:	03/20/25 16:27	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/27/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E503184
Job Number:	23003-0002
Received:	3/20/2025

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/15/25

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

Date Reported: 4/15/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E503184
Date Received: 3/20/2025 11:30:54PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/20/2025 11:30:54PM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS24-2’ 6

FS27-1’ 7

FS28-1’ 8

FS29-2’ 9

FS30-1’ 10

FS31-1’ 11

FS33-1.5’ 12

FS45-1.5’ 13

FS70-1’ 14

FS74-1’ 15

FS75-1’ 16

FS76-1.5’ 17

FS78-1’ 18

FS79-1’ 19

FS80-1.5’ 20

FS82-0.5’ 21

FS83-1’ 22

FS84-1’ 23

FS116-1.5’ 24

FS104-1’ 25

Table of Contents (continued)

FS178-1.5’ 26

FS179-1.5’ 27

SW03-0’-1.5’ 28

QC Summary Data 29

QC - Volatile Organic Compounds by EPA8260B 29

QC - Volatile Organics by EPA 8021B 30

QC - Nonhalogenated Organics by EPA 8015D - GRO 31

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 33

QC - Anions by EPA 300.0/9056A 35

Definitions and Notes 37

Chain of Custody etc. 38

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/15/25 09:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS24-2'	E503184-01A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS27-1'	E503184-02A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS28-1'	E503184-03A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS29-2'	E503184-04A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS30-1'	E503184-05A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS31-1'	E503184-06A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS33-1.5'	E503184-07A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS45-1.5'	E503184-08A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS70-1'	E503184-09A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS74-1'	E503184-10A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS75-1'	E503184-11A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS76-1.5'	E503184-12A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS78-1'	E503184-13A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS79-1'	E503184-14A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS80-1.5'	E503184-15A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS82-0.5'	E503184-16A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS83-1'	E503184-17A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS84-1'	E503184-18A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS116-1.5'	E503184-19A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS104-1'	E503184-20A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS178-1.5'	E503184-21A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
FS179-1.5'	E503184-22A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
SW03-0'-1.5'	E503184-23A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS24-2'

E503184-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**223**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS27-1'

E503184-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*99.5 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**292**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS28-1'

E503184-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**260**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS29-2'

E503184-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**254**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS30-1'

E503184-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**55.6**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS31-1'

E503184-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**343**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS33-1.5'

E503184-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**195**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS45-1.5'

E503184-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**388**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS70-1'

E503184-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**139**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS74-1'

E503184-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/21/25*	*03/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**251**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS75-1'

E503184-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	**48.4**	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*98.5 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**213**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS76-1.5'

E503184-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	**28.8**	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**201**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS78-1'

E503184-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/22/25	
Toluene	ND	0.0250	1	03/21/25	03/22/25	
o-Xylene	ND	0.0250	1	03/21/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/22/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*03/21/25*	*03/22/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/22/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*97.2 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**128**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS79-1'

E503184-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/24/25	
Toluene	ND	0.0250	1	03/21/25	03/24/25	
o-Xylene	ND	0.0250	1	03/21/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*98.1 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**256**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS80-1.5'

E503184-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/24/25	
Toluene	ND	0.0250	1	03/21/25	03/24/25	
o-Xylene	ND	0.0250	1	03/21/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**458**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS82-0.5'

E503184-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/24/25	
Toluene	ND	0.0250	1	03/21/25	03/24/25	
o-Xylene	ND	0.0250	1	03/21/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	**35.8**	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*97.4 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**290**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS83-1'

E503184-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/24/25	
Toluene	ND	0.0250	1	03/21/25	03/24/25	
o-Xylene	ND	0.0250	1	03/21/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**319**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS84-1'

E503184-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/24/25	
Toluene	ND	0.0250	1	03/21/25	03/24/25	
o-Xylene	ND	0.0250	1	03/21/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**275**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS116-1.5'

E503184-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/24/25	
Toluene	ND	0.0250	1	03/21/25	03/24/25	
o-Xylene	ND	0.0250	1	03/21/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**253**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS104-1'

E503184-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Benzene	ND	0.0250	1	03/21/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/24/25	
Toluene	ND	0.0250	1	03/21/25	03/24/25	
o-Xylene	ND	0.0250	1	03/21/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512164
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/24/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*03/21/25*	*03/24/25*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/21/25*	*03/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512169
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512172
Chloride	**194**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS178-1.5'

E503184-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512165
Benzene	ND	0.0250	1	03/21/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/23/25	
Toluene	ND	0.0250	1	03/21/25	03/23/25	
o-Xylene	ND	0.0250	1	03/21/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*03/21/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512165
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*03/21/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512175
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512170
Chloride	**183**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

FS179-1.5'

E503184-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512165
Benzene	ND	0.0250	1	03/21/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/23/25	
Toluene	ND	0.0250	1	03/21/25	03/23/25	
o-Xylene	ND	0.0250	1	03/21/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*03/21/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512165
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*03/21/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512175
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512170
Chloride	**156**	20.0	1	03/21/25	03/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

SW03-0'-1.5'

E503184-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2512165
Benzene	ND	0.0250	1	03/21/25	03/23/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/23/25	
Toluene	ND	0.0250	1	03/21/25	03/23/25	
o-Xylene	ND	0.0250	1	03/21/25	03/23/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/23/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*03/21/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2512165
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*03/21/25*	*03/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2512175
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/22/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*03/21/25*	*03/22/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2512170
Chloride	**347**	20.0	1	03/21/25	03/21/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512164-BLK1)									Prepared: 03/21/25 Analyzed: 03/22/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
LCS (2512164-BS1)									Prepared: 03/21/25 Analyzed: 03/22/25
Benzene	2.24	0.0250	2.50		89.6	70-130			
Ethylbenzene	2.30	0.0250	2.50		92.1	70-130			
Toluene	2.39	0.0250	2.50		95.7	70-130			
o-Xylene	2.41	0.0250	2.50		96.3	70-130			
p,m-Xylene	4.93	0.0500	5.00		98.6	70-130			
Total Xylenes	7.34	0.0250	7.50		97.9	70-130			
Surrogate: Bromofluorobenzene	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
LCS Dup (2512164-BSD1)									Prepared: 03/21/25 Analyzed: 03/22/25
Benzene	2.28	0.0250	2.50		91.3	70-130	1.97	23	
Ethylbenzene	2.35	0.0250	2.50		93.8	70-130	1.87	27	
Toluene	2.45	0.0250	2.50		98.0	70-130	2.31	24	
o-Xylene	2.46	0.0250	2.50		98.4	70-130	2.20	27	
p,m-Xylene	5.09	0.0500	5.00		102	70-130	3.04	27	
Total Xylenes	7.55	0.0250	7.50		101	70-130	2.77	27	
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.526*		*0.500*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512165-BLK1)									Prepared: 03/21/25 Analyzed: 03/23/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.0*	*70-130*			
LCS (2512165-BS1)									Prepared: 03/21/25 Analyzed: 03/23/25
Benzene	4.35	0.0250	5.00		87.0	70-130			
Ethylbenzene	4.18	0.0250	5.00		83.5	70-130			
Toluene	4.29	0.0250	5.00		85.8	70-130			
o-Xylene	4.20	0.0250	5.00		84.0	70-130			
p,m-Xylene	8.38	0.0500	10.0		83.8	70-130			
Total Xylenes	12.6	0.0250	15.0		83.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.7*	*70-130*			
LCS Dup (2512165-BSD1)									Prepared: 03/21/25 Analyzed: 03/23/25
Benzene	4.78	0.0250	5.00		95.6	70-130	9.39	20	
Ethylbenzene	4.58	0.0250	5.00		91.6	70-130	9.25	20	
Toluene	4.71	0.0250	5.00		94.2	70-130	9.27	20	
o-Xylene	4.59	0.0250	5.00		91.8	70-130	8.92	20	
p,m-Xylene	9.17	0.0500	10.0		91.7	70-130	9.01	20	
Total Xylenes	13.8	0.0250	15.0		91.8	70-130	8.98	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.67*		*8.00*		*95.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512164-BLK1)									Prepared: 03/21/25 Analyzed: 03/22/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
LCS (2512164-BS2)									Prepared: 03/21/25 Analyzed: 03/22/25
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.8	70-130			
Surrogate: Bromofluorobenzene	*0.531*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.543*		*0.500*		*109*	*70-130*			
LCS Dup (2512164-BSD2)									Prepared: 03/21/25 Analyzed: 03/22/25
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.6	70-130	0.212	20	
Surrogate: Bromofluorobenzene	*0.531*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.540*		*0.500*		*108*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512165-BLK1)									Prepared: 03/21/25 Analyzed: 03/23/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			
LCS (2512165-BS2)									Prepared: 03/21/25 Analyzed: 03/23/25
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.12*		*8.00*		*101*	*70-130*			
LCS Dup (2512165-BSD2)									Prepared: 03/21/25 Analyzed: 03/23/25
Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130	1.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.20*		*8.00*		*102*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512169-BLK1)									Prepared: 03/21/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*61-141*			
LCS (2512169-BS1)									Prepared: 03/21/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	261	25.0	250		105	66-144			
Surrogate: n-Nonane	*48.3*		*50.0*		*96.6*	*61-141*			
Matrix Spike (2512169-MS1)				**Source: E503184-12**					Prepared: 03/21/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	294	25.0	250	28.8	106	56-156			
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*61-141*			
Matrix Spike Dup (2512169-MSD1)				**Source: E503184-12**					Prepared: 03/21/25 Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	287	25.0	250	28.8	103	56-156	2.18	20	
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512175-BLK1)									Prepared: 03/21/25 Analyzed: 03/22/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
LCS (2512175-BS1)									Prepared: 03/21/25 Analyzed: 03/22/25
Diesel Range Organics (C10-C28)	259	25.0	250		104	66-144			
Surrogate: n-Nonane	*48.3*		*50.0*		*96.6*	*61-141*			
Matrix Spike (2512175-MS1)				**Source: E503184-21**					Prepared: 03/21/25 Analyzed: 03/22/25
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	*54.6*		*50.0*		*109*	*61-141*			
Matrix Spike Dup (2512175-MSD1)				**Source: E503184-21**					Prepared: 03/21/25 Analyzed: 03/22/25
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	56-156	3.10	20	
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512170-BLK1)									Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	ND	20.0							
LCS (2512170-BS1)									Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2512170-MS1)				**Source: E503180-04**					Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	3450	40.0	250	3310	56.8	80-120			M4
Matrix Spike Dup (2512170-MSD1)				**Source: E503180-04**					Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	3520	40.0	250	3310	82.4	80-120	1.84	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/15/2025 9:34:42AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2512172-BLK1)									Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	ND	20.0							
LCS (2512172-BS1)									Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512172-MS1)				**Source: E503184-08**					Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	675	20.0	250	388	115	80-120			
Matrix Spike Dup (2512172-MSD1)				**Source: E503184-08**					Prepared: 03/21/25 Analyzed: 03/21/25
Chloride	661	20.0	250	388	109	80-120	2.11	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/15/25 09:34

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

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

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

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503184	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23C03002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1126	3/19/2025	S	1	FS24 - 2'		1						X			
1110	3/19/2025	S	1	27 - 1'		2						X			
1110	3/19/2025	S	1	28 - 1'		3						X			
1126	3/19/2025	S	1	29 - 2'		4						X			
1251	3/19/2025	S	1	30 - 1'		5						X			
1124	3/19/2025	S	1	31 - 1'		6						X			
1316	3/19/2025	S	1	33 - 1.5'		7						X			
1123	3/19/2025	S	1	45 - 1.5'		8						X			
1341	3/19/2025	S	1	70 - 1'		9						X			
1402	3/19/2025	S	1	74 - 1'		10						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez, Aboubakar Kone and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	3/20/2025	1100	Michelle Gonzales	3-20-25	1100
Michelle Gonzales	3-20-25	1640		3.20.25	1700
	3.20.25	2300	Caitlin Mar	3-20-25	2400 2330 CM
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503184	Job Number 23C03-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1113	3/19/2025	S	1	FS75-1'		11						X			
1115	3/19/2025	S	1	76-1.5'		12						X			
1118	3/19/2025	S	1	78-1'		13						X			
1114	3/19/2025	S	1	79-1'		14						X			
1123	3/19/2025	S	1	80-1.5'		15						X			
1531	3/19/2025	S	1	82-0.5'		16						X			
1355 ~~1353~~ 3H	3/19/2025	S	1	83-1'		17						X			
1405	3/19/2025	S	1	84-1'		18						X			
1119	3/19/2025	S	1	116-1.5'		19						X			
1158	3/19/2025	S	1	131-1'		20						X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez, Aboubakar Kone and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	3/20/2025	1100	Michelle Gonzales	3.20.25	1100
Michelle Gonzales	3.20.25	1640		3.20.25	1700
	3.20.25	2300	Caitlin Mars	3.20.25	0400 2330
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503184	Job Number 23E03 0052	1D 2D 3D Std: X	NM CO UT TX: X
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1056	3/19/2025	S	1	FS178		21						X			
1100	3/19/2025	S	1	FS179		22						X			
1102	3/19/2025	S	1	SW03-0'-1.5'		23						X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez, Aboubakar Kone Anz Jenn Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Anna Hinkle	3/20/2025	1100	Michelle Gonzales	3-20-25	1100
Michelle Gonzales	3.20.25	1640		3.20.25	1700
	3.20.25	2300	Caitlin Mar	3.20.25	2400 2330 CM
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/21/2025 9:19:06AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	03/20/25 23:30	Work Order ID:	E503184
Phone:	(972) 371-5200	Date Logged In:	03/20/25 16:31	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/27/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503184	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1126	3/19/2025	S	1	FS24 - 2'		1						X			Corrected Sample depths for Samples 21 & 22 per C. Hamilton 4/1/25 CM
1110	3/19/2025	S	1	27 - 1'		2						X			
1110	3/19/2025	S	1	28 - 1'		3						X			
1126	3/19/2025	S	1	29 - 1'		4						X			
1251	3/19/2025	S	1	30 - 1'		5						X			
1124	3/19/2025	S	1	31 - 1'		6						X			
1316	3/19/2025	S	1	33 - 1.5'		7						X			Corrected Sample #20 per C. Hamilton 4/15/25 CM
1123	3/19/2025	S	1	45 - 1.5'		8						X			
1341	3/19/2025	S	1	70 - 1'		9						X			
1402	3/19/2025	S	1	74 - 1'		10						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez, Aboubakar Kone and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	3/20/2025	1100	Michelle Gonzales	3-20-25	1100
Michelle Gonzales	3-20-25	1640		3.20.25	1700
	3.20.25	2300	Caitlin Mars	3-20-25	2400 2330 CM
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Page 638 of 1003

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503184	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			SDWA	CWA	RCRA
1113	3/19/2025	S	1	FS75-1'		11						X					Compliance	Y or N	
1115	3/19/2025	S	1	76-1.5'		12						X					PWSID #		
1118	3/19/2025	S	1	78-1'		13						X					Remarks		
1114	3/19/2025	S	1	79-1'		14						X							
1123	3/19/2025	S	1	80-1.5'		15						X							
1531	3/19/2025	S	1	82-0.5'		16						X							
1355 ~~1353~~	3/19/2025	S	1	83-1'		17						X							
1405	3/19/2025	S	1	84-1'		18						X							
1119	3/19/2025	S	1	116-1.5'		19						X							
1158	3/19/2025	S	1	~~131~~ 104-1'		20						X							CM 4/15/25

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez, Aboubakar Kone and Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	3/20/2025	1100	Michelle Gonzales	3-20-25	1100
Michelle Gonzales	3-20-25	1640	[signature]	3.20.25	1700
[signature]	3.20.25	2300	Kaitlyn Mann	3-20-25	0400 2350 CM
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Page 639 of 1003

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E503184	Job Number 3RP03-0052	1D 2D 3D Std: Std X
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			NM CO UT TX: NM X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1056	3/19/2025	S	1	FS178 -1.5'		21						X			CM 4/1/25
1100	3/19/2025	S	1	FS179-1.5'		22						X			CM 4/1/25
1102	3/19/2025	S	1	SW03-0'-1.5'		23						X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			
	3/19/2025	S	1									X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez, Aboubekar Kone, Anna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Anna Hinkle	3/20/2025	1100	Michelle Gonzales	3.20.25	1100
Michelle Gonzales	3.20.25	1640		3.20.25	1700
	3.20.25	2300	Caitlin Mars	3.20.25	2400 2350 CM
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

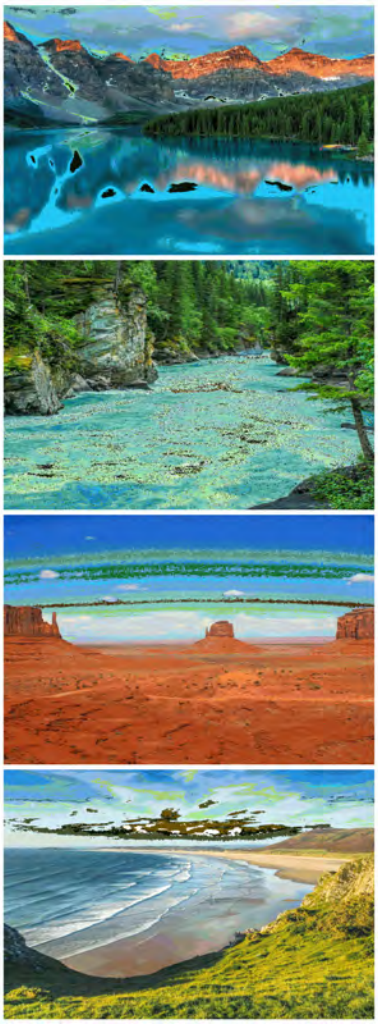
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this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

envirotech

Page 640 of 1003

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E504063
Job Number:	23003-0002
Received:	4/9/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/14/25

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

Date Reported: 4/14/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E504063
Date Received: 4/9/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/9/2025 8:00:00AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- FS48-1.5’ 5
- FS59-1.5’ 6
- FS63-1.5’ 7
- FS100-1.5’ 8
- FS133-0.5’ 9
- FS172-1’ 10
- FS173-1’ 11
- FS175-1’ 12
- FS202-1.5’ 13
- FS220-1’ 14
- SW02A-0-1’ 15

QC Summary Data 16

- QC - Volatile Organics by EPA 8021B 16
- QC - Nonhalogenated Organics by EPA 8015D - GRO 17
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 18
- QC - Anions by EPA 300.0/9056A 19

Definitions and Notes 20

Chain of Custody etc. 21

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/14/25 08:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS48-1.5'	E504063-01A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
FS59-1.5'	E504063-02A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
FS63-1.5'	E504063-03A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
FS100-1.5'	E504063-04A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
FS133-0.5'	E504063-05A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
FS172-1'	E504063-06A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
FS173-1'	E504063-07A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
FS175-1'	E504063-08A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
FS202-1.5'	E504063-09A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
FS220-1'	E504063-10A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
SW02A-0-1'	E504063-11A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

FS48-1.5'

E504063-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*04/09/25*	*04/09/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	**157**	20.0	1	04/09/25	04/09/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

FS59-1.5'

E504063-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*04/09/25*	*04/09/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	**114**	20.0	1	04/09/25	04/09/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

FS63-1.5'

E504063-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*04/09/25*	*04/09/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	**345**	20.0	1	04/09/25	04/09/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

FS100-1.5'

E504063-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/10/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*04/09/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	**344**	20.0	1	04/09/25	04/09/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

FS133-0.5'

E504063-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/10/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*04/09/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	ND	20.0	1	04/09/25	04/09/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

FS172-1'

E504063-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/10/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*04/09/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	**38.8**	20.0	1	04/09/25	04/09/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

FS173-1'

E504063-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/10/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*04/09/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	**50.8**	20.0	1	04/09/25	04/09/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

FS175-1'

E504063-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/10/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*04/09/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	**36.5**	20.0	1	04/09/25	04/09/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

FS202-1.5'

E504063-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/10/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*04/09/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	**45.8**	20.0	1	04/09/25	04/09/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

FS220-1'

E504063-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/10/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*04/09/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	ND	20.0	1	04/09/25	04/09/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

SW02A-0-1'

E504063-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2515047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*04/09/25*	*04/09/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2515046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/10/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*04/09/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2515056
Chloride	ND	20.0	1	04/09/25	04/09/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2515047-BLK1)									Prepared: 04/09/25 Analyzed: 04/09/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.93*		*8.00*		*99.1*	*70-130*			
LCS (2515047-BS1)									Prepared: 04/09/25 Analyzed: 04/09/25
Benzene	5.00	0.0250	5.00		99.9	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.08	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.82*		*8.00*		*97.7*	*70-130*			
LCS Dup (2515047-BSD1)									Prepared: 04/09/25 Analyzed: 04/09/25
Benzene	5.16	0.0250	5.00		103	70-130	3.26	20	
Ethylbenzene	5.28	0.0250	5.00		106	70-130	3.52	20	
Toluene	5.33	0.0250	5.00		107	70-130	3.36	20	
o-Xylene	5.27	0.0250	5.00		105	70-130	3.67	20	
p,m-Xylene	10.7	0.0500	10.0		107	70-130	3.52	20	
Total Xylenes	16.0	0.0250	15.0		107	70-130	3.57	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2515047-BLK1)									Prepared: 04/09/25 Analyzed: 04/09/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.12*		*8.00*		*89.0*	*70-130*			
LCS (2515047-BS2)									Prepared: 04/09/25 Analyzed: 04/09/25
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		85.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.7*	*70-130*			
LCS Dup (2515047-BSD2)									Prepared: 04/09/25 Analyzed: 04/09/25
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.7	70-130	1.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.10*		*8.00*		*88.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2515046-BLK1)									Prepared: 04/09/25 Analyzed: 04/09/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.6*		*50.0*		*111*	*61-141*			
LCS (2515046-BS1)									Prepared: 04/09/25 Analyzed: 04/09/25
Diesel Range Organics (C10-C28)	276	25.0	250		111	66-144			
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*61-141*			
Matrix Spike (2515046-MS1)				**Source: E504062-24**					Prepared: 04/09/25 Analyzed: 04/09/25
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	56-156			
Surrogate: n-Nonane	*54.6*		*50.0*		*109*	*61-141*			
Matrix Spike Dup (2515046-MSD1)				**Source: E504062-24**					Prepared: 04/09/25 Analyzed: 04/09/25
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156	1.80	20	
Surrogate: n-Nonane	*53.6*		*50.0*		*107*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/14/2025 8:59:27AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2515056-BLK1)									Prepared: 04/09/25 Analyzed: 04/09/25
Chloride	ND	20.0							
LCS (2515056-BS1)									Prepared: 04/09/25 Analyzed: 04/09/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2515056-MS1)				**Source: E504063-03**					Prepared: 04/09/25 Analyzed: 04/09/25
Chloride	592	20.0	250	345	99.1	80-120			
Matrix Spike Dup (2515056-MSD1)				**Source: E504063-03**					Prepared: 04/09/25 Analyzed: 04/09/25
Chloride	577	20.0	250	345	93.1	80-120	2.57	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/14/25 08:59

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.

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E504003	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1507	4/7/2025	S	1	FS48 - 1.5'		1						X						
1530	4/7/2025	S	1	FS59 - 1.5'		2						X						
1533	4/7/2025	S	1	FS63 - 1.5'		3						X						
1326	4/7/2025	S	1	FS100 - 1.5'		4						X						
1152	4/7/2025	S	1	FS133 - 0.5'		5						X						
1543	4/7/2025	S	1	FS172 - 1'		6						X						
1545	4/7/2025	S	1	FS173 - 1'		7						X						
1158	4/7/2025	S	1	FS175 - 1'		8						X						
1205	4/7/2025	S	1	FS202 - 1.5'		9						X						
1539	4/7/2025	S	1	FS220 - 1'		10						X						

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	4-8-25		Marissa Gonzales	4-8-25	1045
Marissa Gonzales	4-8-25	1623	[signature]	4.8.25	1630
[signature]	4.8.25	2300	Caitlin Mar	4.9.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E5040603	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23053.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Remarks
1322	4/7/2025	S	1	SW02A - 0-1'		11						X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-8-25		Marissa Gonzales	4-8-25	1045
Marissa Gonzales	4-8-25	1623		4.8.25	1630
	4.8.25	2300	Caitlin Mars	4.9.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: O / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 4/9/2025 9:08:29AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	04/09/25 08:00	Work Order ID:	E504063
Phone:	(972) 371-5200	Date Logged In:	04/08/25 15:19	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/15/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

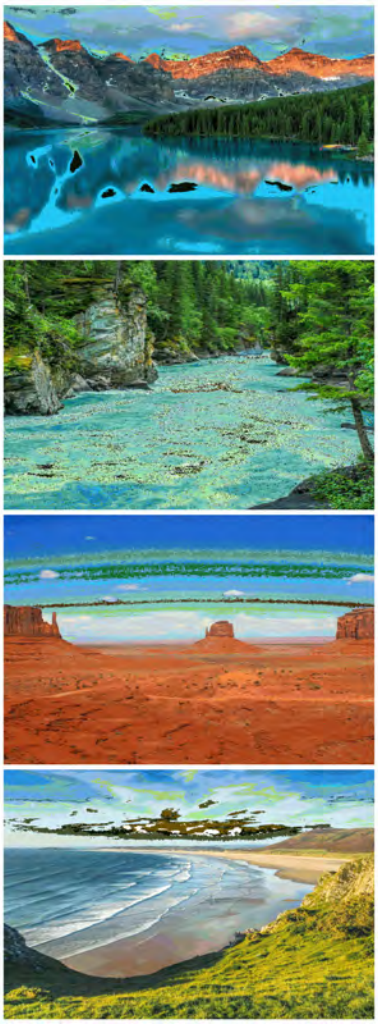
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E504073
Job Number:	23003-0002
Received:	4/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/16/25

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

Date Reported: 4/16/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E504073
Date Received: 4/10/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/10/2025 7:00:00AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- FS20-1’ 5
- FS25-1.5’ 6
- FS26-1.5’ 7
- FS32-1.5’ 8
- FS68-1.5’ 9
- FS88-1.5’ 10
- FS89-1.5’ 11
- FS90-1.5’ 12
- FS96-1.5’ 13
- FS266-0.5’ 14

QC Summary Data 15

- QC - Volatile Organics by EPA 8021B 15
- QC - Nonhalogenated Organics by EPA 8015D - GRO 16
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 17
- QC - Anions by EPA 300.0/9056A 18

Definitions and Notes 19

Chain of Custody etc. 20

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/16/25 09:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS20-1'	E504073-01A	Soil	04/08/25	04/10/25	Glass Jar, 2 oz.
FS25-1.5'	E504073-02A	Soil	04/08/25	04/10/25	Glass Jar, 2 oz.
FS26-1.5'	E504073-03A	Soil	04/08/25	04/10/25	Glass Jar, 2 oz.
FS32-1.5'	E504073-04A	Soil	04/08/25	04/10/25	Glass Jar, 2 oz.
FS68-1.5'	E504073-05A	Soil	04/08/25	04/10/25	Glass Jar, 2 oz.
FS88-1.5'	E504073-06A	Soil	04/08/25	04/10/25	Glass Jar, 2 oz.
FS89-1.5'	E504073-07A	Soil	04/08/25	04/10/25	Glass Jar, 2 oz.
FS90-1.5'	E504073-08A	Soil	04/08/25	04/10/25	Glass Jar, 2 oz.
FS96-1.5'	E504073-09A	Soil	04/08/25	04/10/25	Glass Jar, 2 oz.
FS266-0.5'	E504073-10A	Soil	04/08/25	04/10/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

FS20-1'

E504073-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Benzene	ND	0.0250	1	04/10/25	04/10/25	
Ethylbenzene	ND	0.0250	1	04/10/25	04/10/25	
Toluene	ND	0.0250	1	04/10/25	04/10/25	
o-Xylene	ND	0.0250	1	04/10/25	04/10/25	
p,m-Xylene	ND	0.0500	1	04/10/25	04/10/25	
Total Xylenes	ND	0.0250	1	04/10/25	04/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.8 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/25	04/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2515072
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/10/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*04/10/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2515076
Chloride	**69.1**	20.0	1	04/10/25	04/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

FS25-1.5'

E504073-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Benzene	ND	0.0250	1	04/10/25	04/10/25	
Ethylbenzene	ND	0.0250	1	04/10/25	04/10/25	
Toluene	ND	0.0250	1	04/10/25	04/10/25	
o-Xylene	ND	0.0250	1	04/10/25	04/10/25	
p,m-Xylene	ND	0.0500	1	04/10/25	04/10/25	
Total Xylenes	ND	0.0250	1	04/10/25	04/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*82.4 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/25	04/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2515072
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/10/25	
Surrogate: n-Nonane		*98.1 %*	*61-141*	*04/10/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2515076
Chloride	**31.2**	20.0	1	04/10/25	04/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

FS26-1.5'

E504073-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Benzene	ND	0.0250	1	04/10/25	04/10/25	
Ethylbenzene	ND	0.0250	1	04/10/25	04/10/25	
Toluene	ND	0.0250	1	04/10/25	04/10/25	
o-Xylene	ND	0.0250	1	04/10/25	04/10/25	
p,m-Xylene	ND	0.0500	1	04/10/25	04/10/25	
Total Xylenes	ND	0.0250	1	04/10/25	04/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.1 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/25	04/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2515072
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/10/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*04/10/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2515076
Chloride	**241**	20.0	1	04/10/25	04/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

FS32-1.5'

E504073-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Benzene	ND	0.0250	1	04/10/25	04/10/25	
Ethylbenzene	ND	0.0250	1	04/10/25	04/10/25	
Toluene	ND	0.0250	1	04/10/25	04/10/25	
o-Xylene	ND	0.0250	1	04/10/25	04/10/25	
p,m-Xylene	ND	0.0500	1	04/10/25	04/10/25	
Total Xylenes	ND	0.0250	1	04/10/25	04/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.2 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/25	04/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2515072
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/10/25	
Surrogate: n-Nonane		*96.7 %*	*61-141*	*04/10/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2515076
Chloride	**238**	20.0	1	04/10/25	04/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

FS68-1.5'

E504073-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Benzene	ND	0.0250	1	04/10/25	04/10/25	
Ethylbenzene	ND	0.0250	1	04/10/25	04/10/25	
Toluene	ND	0.0250	1	04/10/25	04/10/25	
o-Xylene	ND	0.0250	1	04/10/25	04/10/25	
p,m-Xylene	ND	0.0500	1	04/10/25	04/10/25	
Total Xylenes	ND	0.0250	1	04/10/25	04/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.8 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/25	04/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2515072
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/10/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*04/10/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2515076
Chloride	**205**	20.0	1	04/10/25	04/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

FS88-1.5'

E504073-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Benzene	ND	0.0250	1	04/10/25	04/10/25	
Ethylbenzene	ND	0.0250	1	04/10/25	04/10/25	
Toluene	ND	0.0250	1	04/10/25	04/10/25	
o-Xylene	ND	0.0250	1	04/10/25	04/10/25	
p,m-Xylene	ND	0.0500	1	04/10/25	04/10/25	
Total Xylenes	ND	0.0250	1	04/10/25	04/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.2 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/25	04/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2515072
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/10/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*04/10/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2515076
Chloride	**76.2**	20.0	1	04/10/25	04/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

FS89-1.5'

E504073-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Benzene	ND	0.0250	1	04/10/25	04/10/25	
Ethylbenzene	ND	0.0250	1	04/10/25	04/10/25	
Toluene	ND	0.0250	1	04/10/25	04/10/25	
o-Xylene	ND	0.0250	1	04/10/25	04/10/25	
p,m-Xylene	ND	0.0500	1	04/10/25	04/10/25	
Total Xylenes	ND	0.0250	1	04/10/25	04/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.5 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/25	04/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*04/10/25*	*04/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2515072
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/10/25	
Surrogate: n-Nonane		*99.6 %*	*61-141*	*04/10/25*	*04/10/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2515076
Chloride	**56.6**	20.0	1	04/10/25	04/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

FS90-1.5'

E504073-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Benzene	ND	0.0250	1	04/10/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/10/25	04/11/25	
Toluene	ND	0.0250	1	04/10/25	04/11/25	
o-Xylene	ND	0.0250	1	04/10/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/10/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/10/25	04/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.3 %*	*70-130*	*04/10/25*	*04/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/25	04/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*04/10/25*	*04/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2515072
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
Surrogate: n-Nonane		*99.3 %*	*61-141*	*04/10/25*	*04/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2515076
Chloride	**26.3**	20.0	1	04/10/25	04/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

FS96-1.5'

E504073-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Benzene	ND	0.0250	1	04/10/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/10/25	04/11/25	
Toluene	ND	0.0250	1	04/10/25	04/11/25	
o-Xylene	ND	0.0250	1	04/10/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/10/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/10/25	04/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*04/10/25*	*04/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/25	04/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*04/10/25*	*04/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2515072
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
Surrogate: n-Nonane		*97.2 %*	*61-141*	*04/10/25*	*04/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2515076
Chloride	**111**	20.0	1	04/10/25	04/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

FS266-0.5'

E504073-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Benzene	ND	0.0250	1	04/10/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/10/25	04/11/25	
Toluene	ND	0.0250	1	04/10/25	04/11/25	
o-Xylene	ND	0.0250	1	04/10/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/10/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/10/25	04/11/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.6 %*	*70-130*	*04/10/25*	*04/11/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2515068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/10/25	04/11/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*04/10/25*	*04/11/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2515072
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*04/10/25*	*04/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2515076
Chloride	ND	20.0	1	04/10/25	04/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2515068-BLK1)									Prepared: 04/10/25 Analyzed: 04/11/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.25*		*8.00*		*90.6*	*70-130*			
LCS (2515068-BS1)									Prepared: 04/10/25 Analyzed: 04/11/25
Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.15*		*8.00*		*89.4*	*70-130*			
Matrix Spike (2515068-MS1)				**Source: E504072-03**					Prepared: 04/10/25 Analyzed: 04/10/25
Benzene	5.19	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.11	0.0250	5.00	ND	102	70-130			
Toluene	5.16	0.0250	5.00	ND	103	70-130			
o-Xylene	5.06	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.07*		*8.00*		*88.4*	*70-130*			
Matrix Spike Dup (2515068-MSD1)				**Source: E504072-03**					Prepared: 04/10/25 Analyzed: 04/10/25
Benzene	4.51	0.0250	5.00	ND	90.1	70-130	14.1	27	
Ethylbenzene	4.43	0.0250	5.00	ND	88.6	70-130	14.2	26	
Toluene	4.47	0.0250	5.00	ND	89.4	70-130	14.3	20	
o-Xylene	4.37	0.0250	5.00	ND	87.5	70-130	14.5	25	
p,m-Xylene	8.97	0.0500	10.0	ND	89.7	70-130	14.0	23	
Total Xylenes	13.3	0.0250	15.0	ND	89.0	70-130	14.1	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.02*		*8.00*		*87.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2515068-BLK1)									Prepared: 04/10/25 Analyzed: 04/11/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.8*	*70-130*			
LCS (2515068-BS2)									Prepared: 04/10/25 Analyzed: 04/11/25
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.7*	*70-130*			
Matrix Spike (2515068-MS2)				**Source: E504072-03**					Prepared: 04/10/25 Analyzed: 04/10/25
Gasoline Range Organics (C6-C10)	41.4	20.0	50.0	ND	82.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike Dup (2515068-MSD2)				**Source: E504072-03**					Prepared: 04/10/25 Analyzed: 04/10/25
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.3	70-130	4.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2515072-BLK1)									Prepared: 04/10/25 Analyzed: 04/10/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
LCS (2515072-BS1)									Prepared: 04/10/25 Analyzed: 04/10/25
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	66-144			
Surrogate: n-Nonane	*48.2*		*50.0*		*96.4*	*61-141*			
Matrix Spike (2515072-MS1)				**Source: E504072-05**					Prepared: 04/10/25 Analyzed: 04/10/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.8	56-156			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.6*	*61-141*			
Matrix Spike Dup (2515072-MSD1)				**Source: E504072-05**					Prepared: 04/10/25 Analyzed: 04/10/25
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.3	56-156	5.60	20	
Surrogate: n-Nonane	*48.2*		*50.0*		*96.4*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/16/2025 9:35:19AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2515076-BLK1)									Prepared: 04/10/25 Analyzed: 04/10/25
Chloride	ND	20.0							
LCS (2515076-BS1)									Prepared: 04/10/25 Analyzed: 04/10/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2515076-MS1)				**Source: E504072-02**					Prepared: 04/10/25 Analyzed: 04/10/25
Chloride	378	100	250	ND	151	80-120			M6
Matrix Spike Dup (2515076-MSD1)				**Source: E504072-02**					Prepared: 04/10/25 Analyzed: 04/10/25
Chloride	356	100	250	ND	142	80-120	6.17	20	M6

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/16/25 09:35

M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E 504073	Job Number 23003-0002	1D 2D 3D Std: X	NM CO UT TX: X
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1629	4-8-25	S	1	FS20-1'		1						X						
1028		S	1	FS25-1.5'		2						X						
1027		S	1	FS26-1.5'		3						X						
0933		S	1	FS32-1.5'		4						X						
0928		S	1	FS68-1.5'		5						X						
1211		S	1	FS88-1.5'		6						X						
1025		S	1	FS89-1.5'		7						X						
1213		S	1	FS90-1.5'		8						X						
1315		S	1	FS96-1.5'		9						X						
1412		S	1	FS266-0.5'		10						X						

Additional Instructions: Please CC: agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-9-25		Michelle Gonzales	4-9-25	1100
Michelle Gonzales	4-9-25	1530	Richard Gonzales	4-9-25	1530
Richard Gonzales	4-9-25	2130	Noe Soto	4-10-25	0700
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 4/10/2025 8:52:04AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	04/10/25 07:00	Work Order ID:	E504073
Phone:	(972) 371-5200	Date Logged In:	04/09/25 14:23	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	04/16/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E504308
Job Number:	23003-0002
Received:	5/1/2025

Revision: 0

Report Reviewed By:

Draft
Walter Hinchman
Laboratory Director
5/1/25

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

Date Reported: 5/1/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E504308
Date Received: 5/1/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/1/2025 7:30:00AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

FS106-1’ 5

Definitions and Notes 6

Chain of Custody etc. 7

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/01/25 12:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS106-1'	E504308-01A	Soil	04/30/25	05/01/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	5/1/2025 12:53:18PM

FS106-1'

E504308-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2518081
Benzene	ND	0.0250	1	05/01/25	05/01/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/01/25	
Toluene	ND	0.0250	1	05/01/25	05/01/25	
o-Xylene	ND	0.0250	1	05/01/25	05/01/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/01/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*05/01/25*	*05/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2518081
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.4 %*	*70-130*	*05/01/25*	*05/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2518080
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
Surrogate: n-Nonane		*95.8 %*	*61-141*	*05/01/25*	*05/01/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2518086
Chloride	**56.5**	20.0	1	05/01/25	05/01/25	

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	05/01/25 12:53

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

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

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

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E604308	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	
7:33	4/30/2025	S	1	FS106 - 1'		1									X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Sample Temp	Remarks
1.6	

Additional Instructions: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, jhinkle@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com, akone@ensolum.com

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

Sampled by: Chad Hamilton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/30/25	1015	Michelle Gonzales	4-30-25	1015
Michelle Gonzales	4-30-25	1540	Richard Gonzales	4-30-25	1540
Richard Gonzales	4-30-25	2130	Cartha Mar	5.1.25	730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only
Received on ice: O / N

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

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

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

Envirotech Analytical Laboratory

Printed: 5/1/2025 8:19:32AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	05/01/25 07:30	Work Order ID:	E504308
Phone:	(972) 371-5200	Date Logged In:	04/30/25 14:13	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/01/25 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

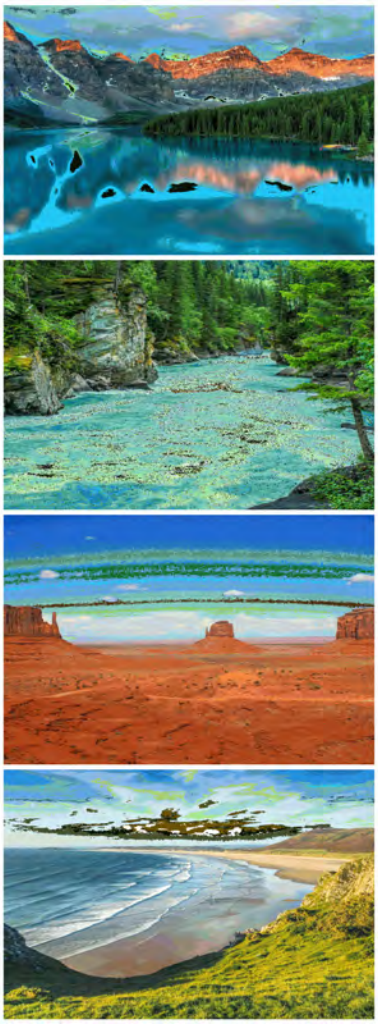
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



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:	Dee Osborne 123 Well Pad
Work Order:	E505300
Job Number:	23003-0002
Received:	5/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/4/25

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: 6/4/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E505300
Date Received: 5/29/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/29/2025 8:00:00AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

- FS300-0’ 6
- FS303-0’ 7
- FS304-0’ 8
- FS305-0’ 9
- FS316-0’ 10
- FS318-0’ 11
- FS319-0’ 12
- FS320-0’ 13
- FS321-0’ 14
- FS322-0’ 15
- FS324-0’ 16
- FS325-0’ 17
- FS330-0’ 18
- FS331-0’ 19
- FS332-0’ 20

QC Summary Data 21

- QC - Volatile Organics by EPA 8021B 21
- QC - Nonhalogenated Organics by EPA 8015D - GRO 22
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 23
- QC - Anions by EPA 300.0/9056A 24

Table of Contents (continued)

Definitions and Notes 25

Chain of Custody etc. 26

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/04/25 13:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS300-0'	E505300-01A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS303-0'	E505300-02A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS304-0'	E505300-03A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS305-0'	E505300-04A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS316-0'	E505300-05A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS318-0'	E505300-06A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS319-0'	E505300-07A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS320-0'	E505300-08A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS321-0'	E505300-09A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS322-0'	E505300-10A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS324-0'	E505300-11A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS325-0'	E505300-12A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS330-0'	E505300-13A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS331-0'	E505300-14A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS332-0'	E505300-15A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS300-0'

E505300-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS303-0'

E505300-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS304-0'

E505300-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS305-0'

E505300-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS316-0'

E505300-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS318-0'

E505300-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS319-0'

E505300-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS320-0'

E505300-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS321-0'

E505300-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS322-0'

E505300-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS324-0'

E505300-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.2 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS325-0'

E505300-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS330-0'

E505300-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS331-0'

E505300-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

FS332-0'

E505300-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2522068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*05/29/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2522072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/25	05/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/25	05/30/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/29/25*	*05/30/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522066
Chloride	ND	20.0	1	05/29/25	05/30/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522068-BLK1)									Prepared: 05/29/25 Analyzed: 05/29/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.00*		*8.00*		*100*	*70-130*			
LCS (2522068-BS1)									Prepared: 05/29/25 Analyzed: 05/29/25
Benzene	4.79	0.0250	5.00		95.9	70-130			
Ethylbenzene	4.85	0.0250	5.00		97.0	70-130			
Toluene	4.80	0.0250	5.00		96.0	70-130			
o-Xylene	4.80	0.0250	5.00		96.0	70-130			
p,m-Xylene	9.46	0.0500	10.0		94.6	70-130			
Total Xylenes	14.3	0.0250	15.0		95.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*100*	*70-130*			
Matrix Spike (2522068-MS1)				**Source: E505300-06**					Prepared: 05/29/25 Analyzed: 05/30/25
Benzene	5.24	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.31	0.0250	5.00	ND	106	70-130			
Toluene	5.25	0.0250	5.00	ND	105	70-130			
o-Xylene	5.26	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.03*		*8.00*		*100*	*70-130*			
Matrix Spike Dup (2522068-MSD1)				**Source: E505300-06**					Prepared: 05/29/25 Analyzed: 05/30/25
Benzene	4.44	0.0250	5.00	ND	88.9	70-130	16.5	27	
Ethylbenzene	4.51	0.0250	5.00	ND	90.3	70-130	16.2	26	
Toluene	4.45	0.0250	5.00	ND	89.0	70-130	16.5	20	
o-Xylene	4.46	0.0250	5.00	ND	89.2	70-130	16.5	25	
p,m-Xylene	8.80	0.0500	10.0	ND	88.0	70-130	15.9	23	
Total Xylenes	13.3	0.0250	15.0	ND	88.4	70-130	16.1	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522068-BLK1)									Prepared: 05/29/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			
LCS (2522068-BS2)									Prepared: 05/29/25 Analyzed: 05/30/25
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.8*	*70-130*			
Matrix Spike (2522068-MS2)				**Source: E505300-06**					Prepared: 05/29/25 Analyzed: 05/30/25
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.8*	*70-130*			
Matrix Spike Dup (2522068-MSD2)				**Source: E505300-06**					Prepared: 05/29/25 Analyzed: 05/30/25
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130	3.98	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522072-BLK1)									Prepared: 05/29/25 Analyzed: 05/30/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*61-141*			
LCS (2522072-BS1)									Prepared: 05/29/25 Analyzed: 05/30/25
Diesel Range Organics (C10-C28)	282	25.0	250		113	66-144			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.6*	*61-141*			
Matrix Spike (2522072-MS1)				**Source: E505298-22**					Prepared: 05/29/25 Analyzed: 05/30/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*61-141*			
Matrix Spike Dup (2522072-MSD1)				**Source: E505298-22**					Prepared: 05/29/25 Analyzed: 05/30/25
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	56-156	1.76	20	
Surrogate: n-Nonane	*49.2*		*50.0*		*98.4*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 1:35:11PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522066-BLK1)									Prepared: 05/29/25 Analyzed: 05/29/25
Chloride	ND	20.0							
LCS (2522066-BS1)									Prepared: 05/29/25 Analyzed: 05/29/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2522066-MS1)				**Source: E505300-03**					Prepared: 05/29/25 Analyzed: 05/30/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2522066-MSD1)				**Source: E505300-03**					Prepared: 05/29/25 Analyzed: 05/30/25
Chloride	255	20.0	250	ND	102	80-120	0.112	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/04/25 13:35

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505300	1D 2D 3D Std	NM CO UT TX
Project Name: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1228	5/27/2025	Soil	1	FS300-0'		1									x			3.7	
1205				303-0'		2									x			4.1	
1206				304-0'		3									x			2.9	
1208				305-0'		4									x			3.4	
1202				316-0'		5									x			3.7	
1159				318-0'		6									x			1.8	
1157				319-0'		7									x			3.4	
1211				320-0'		8									x			2.0	
1213				321-0'		9									x			1.8	
1155				322-0'		10									x			3.3	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	5/28/2025	7:00	Michelle Gonzales	5-28-25	0700
Michelle Gonzales	5-28-25	1600	Richard Gonzales	5-28-25	1600
Richard Gonzales	5-28-25	2230	Caitlin Mair	5-29-25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y)/ N

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

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

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

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505300	1D 2D 3D Std	NM CO UT TX
Project Name: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1215	5/27/2025	Soil	1	FS 324-0'		11									X			1.7	
1216				325-0'		12									X			1.8	
1147				330-0'		13									X			2.4	
1221				331-0'		14									X			3.3	
1144				332-0'		15									X			3.2	

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	5/28/2025	7:00	Michelle Gonzales	5-28-25	0700
Michelle Gonzales	5-28-25	1600	Richard Gonzales	5-28-25	1600
Richard Gonzales	5-28-25	2230	Cutler Marr	5-29-25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

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

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

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

Envirotech Analytical Laboratory

Printed: 5/29/2025 9:57:52AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	05/29/25 08:00	Work Order ID:	E505300
Phone:	(972) 371-5200	Date Logged In:	05/28/25 14:59	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/04/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

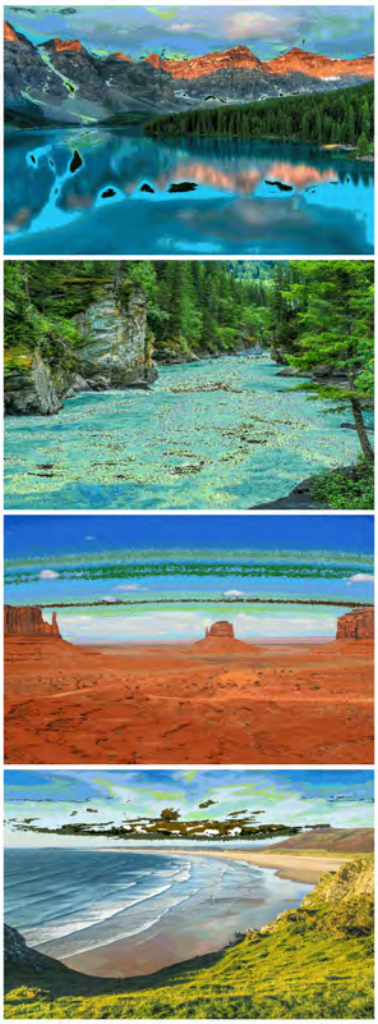
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



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:	Dee Osborne 123 Well Pad
Work Order:	E505317
Job Number:	23003-2002
Received:	5/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/4/25

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: 6/4/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E505317
Date Received: 5/31/2025 6:15:09AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/31/2025 6:15:09AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

- FS267-0’ 6
- FS268-0’ 7
- FS269-0’ 8
- FS270-0’ 9
- FS271-0’ 10
- FS272-0’ 11
- FS273-0’ 12
- FS274-0’ 13
- FS275-0’ 14
- FS276-0’ 15
- FS277-0’ 16
- FS278-0’ 17
- FS279-0’ 18
- FS280-0’ 19
- FS281-0’ 20
- FS282-0’ 21
- FS283-0’ 22
- FS284-0’ 23
- FS286-0’ 24
- FS287-0’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/04/25 08:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS267-0'	E505317-01A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS268-0'	E505317-02A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS269-0'	E505317-03A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS270-0'	E505317-04A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS271-0'	E505317-05A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS272-0'	E505317-06A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS273-0'	E505317-07A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS274-0'	E505317-08A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS275-0'	E505317-09A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS276-0'	E505317-10A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS277-0'	E505317-11A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS278-0'	E505317-12A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS279-0'	E505317-13A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS280-0'	E505317-14A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS281-0'	E505317-15A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS282-0'	E505317-16A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS283-0'	E505317-17A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS284-0'	E505317-18A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS286-0'	E505317-19A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS287-0'	E505317-20A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS267-0'

E505317-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS268-0'

E505317-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS269-0'

E505317-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS270-0'

E505317-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS271-0'

E505317-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS272-0'

E505317-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS273-0'

E505317-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS274-0'

E505317-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS275-0'

E505317-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS276-0'

E505317-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS277-0'

E505317-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS278-0'

E505317-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS279-0'

E505317-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS280-0'

E505317-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS281-0'

E505317-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS282-0'

E505317-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS283-0'

E505317-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS284-0'

E505317-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS286-0'

E505317-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

FS287-0'

E505317-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.7 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522091
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523019
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523030
Chloride	ND	20.0	1	06/02/25	06/02/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522091-BLK1)									Prepared: 05/31/25 Analyzed: 05/31/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.93*		*8.00*		*86.7*	*70-130*			
LCS (2522091-BS1)									Prepared: 05/31/25 Analyzed: 05/31/25
Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.29	0.0250	5.00		106	70-130			
Toluene	5.36	0.0250	5.00		107	70-130			
o-Xylene	5.26	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	16.0	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.07*		*8.00*		*88.3*	*70-130*			
Matrix Spike (2522091-MS1)				**Source: E505317-06**					Prepared: 05/31/25 Analyzed: 05/31/25
Benzene	6.05	0.0250	5.00	ND	121	70-130			
Ethylbenzene	5.94	0.0250	5.00	ND	119	70-130			
Toluene	6.00	0.0250	5.00	ND	120	70-130			
o-Xylene	5.86	0.0250	5.00	ND	117	70-130			
p,m-Xylene	12.0	0.0500	10.0	ND	120	70-130			
Total Xylenes	17.8	0.0250	15.0	ND	119	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.12*		*8.00*		*89.0*	*70-130*			
Matrix Spike Dup (2522091-MSD1)				**Source: E505317-06**					Prepared: 05/31/25 Analyzed: 05/31/25
Benzene	5.61	0.0250	5.00	ND	112	70-130	7.71	27	
Ethylbenzene	5.51	0.0250	5.00	ND	110	70-130	7.42	26	
Toluene	5.57	0.0250	5.00	ND	111	70-130	7.39	20	
o-Xylene	5.43	0.0250	5.00	ND	109	70-130	7.58	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	7.49	23	
Total Xylenes	16.6	0.0250	15.0	ND	110	70-130	7.52	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.14*		*8.00*		*89.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522091-BLK1)									Prepared: 05/31/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			
LCS (2522091-BS2)									Prepared: 05/31/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.99*		*8.00*		*99.8*	*70-130*			
Matrix Spike (2522091-MS2)				**Source: E505317-06**					Prepared: 05/31/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.9*	*70-130*			
Matrix Spike Dup (2522091-MSD2)				**Source: E505317-06**					Prepared: 05/31/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.4	70-130	0.881	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523019-BLK1)									Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.5*		*50.0*		*111*	*61-141*			
LCS (2523019-BS1)									Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	281	25.0	250		112	66-144			
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*61-141*			
Matrix Spike (2523019-MS1)				**Source: E505317-05**					Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156			
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2523019-MSD1)				**Source: E505317-05**					Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156	4.53	20	
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:39:32AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523030-BLK1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	ND	20.0							
LCS (2523030-BS1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2523030-MS1)				**Source: E505317-04**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2523030-MSD1)				**Source: E505317-04**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	258	20.0	250	ND	103	80-120	0.0728	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/04/25 08:39

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: 7/8/2025 2:53:30 PM

Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505317	1D 2D 3D Std	NM CO UT TX
Project Name: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	
832	5/28/25	S	1	FS267-0'		1									X		
840	5/28/25	S	1	FS268-0'		2									X		
850	5/28/25	S	1	FS269-0'		3									X		
829	5/28/25	S	1	FS270-0'		4									X		
830	5/28/25	S	1	FS271-0'		5									X		
855	5/28/25	S	1	FS272-0'		6									X		
844	5/28/25	S	1	FS273-0'		7									X		
842	5/28/25	S	1	FS274-0'		8									X		
1014	5/28/25	S	1	FS275-0'		9									X		
843	5/28/25	S	1	FS276-0'		10									X		

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Samle Temp	Remarks
4.4	
4.2	
4.5	
4.4	
4.8	
5.0	
5.1	
4.4	
4.6	
5.0	

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

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

Sampled by: Aboubakar Kone, Higinio Gonzalez, Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/29/25	7:11	Michelle Gonzales	5-29-25	0711
Michelle Gonzales	5-30-25	1750		5.30.25	1800
	5.31.25	0200	Noe Soto	5.31.25	0615
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

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

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

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

Page 751 of 1003

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505317	1D 2D 3D Std	NM CO UT TX
Project Name: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23C03-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
1016	5/28/25	S	1	FS277-0'		11									X			4.8	
845	5/28/25	S	1	FS278-0'		12									X			5.0	
1001	5/28/25	S	1	FS279-0'		13									X			5.0	
856	5/28/25	S	1	FS280-0'		14									X			4.6	
1000	5/28/25	S	1	Fs281-0'		15									X			4.4	
1018	5/28/25	S	1	FS282-0'		16									X			4.7	
1020	5/28/25	S	1	FS283-0'		17									X			5.1	
1019	5/28/25	S	1	FS284-0'		18									X			4.2	
1021	5/28/25	S	1	FS286-0'		19									X			4.3	
1022	5/28/25	S	1	FS287-0'		20									X			4.0	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Aboubakar Kone, Higinio Gonzalez, Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/29/25	7:11	Michelle Gonzales	5.29.25	0711
Michelle Gonzales	5-30-25	1750	L.M.	5.30.25	1800
L.M.	5.31.25	0200	Dee Sote	5/31/25	615

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

Lab Use Only

Received on ice: (Y) N

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

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

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

Envirotech Analytical Laboratory

Printed: 6/2/2025 9:40:08AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	05/31/25 06:15	Work Order ID:	E505317
Phone:	(972) 371-5200	Date Logged In:	05/30/25 13:36	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/05/25 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 3 reports due to sample volume. WOs are E505317 to E505319.

Client Instruction

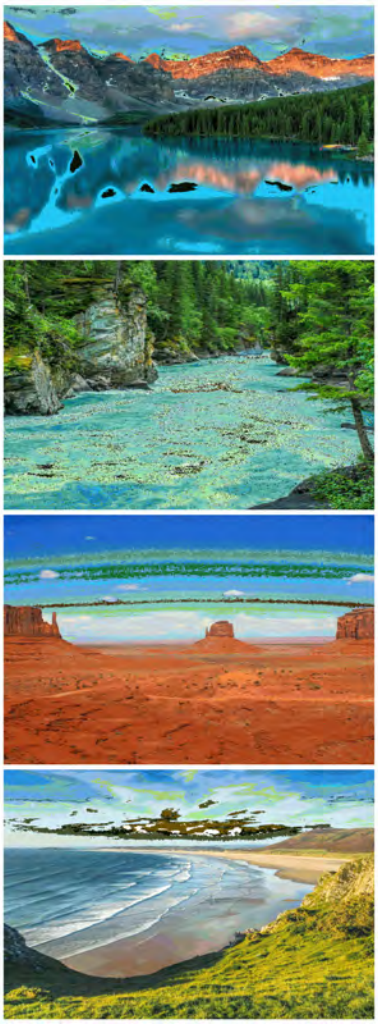
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E505318
Job Number:	23003-2002
Received:	5/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/4/25

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: 6/4/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E505318
Date Received: 5/31/2025 6:15:09AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/31/2025 6:15:09AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS290-0’ 6

FS292-0’ 7

FS293-0’ 8

FS299-0’ 9

FS301-0’ 10

FS306-0’ 11

FS313-0’ 12

FS314-0’ 13

FS315-0’ 14

FS317-0’ 15

FS323-0’ 16

FS326-0’ 17

FS327-0’ 18

FS328-0’ 19

FS329-0’ 20

FS380-0’ 21

FS381-0’ 22

FS382-0’ 23

FS383-0’ 24

FS385-0’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/04/25 10:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS290-0'	E505318-01A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS292-0'	E505318-02A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS293-0'	E505318-03A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS299-0'	E505318-04A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS301-0'	E505318-05A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS306-0'	E505318-06A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS313-0'	E505318-07A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS314-0'	E505318-08A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS315-0'	E505318-09A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS317-0'	E505318-10A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS323-0'	E505318-11A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS326-0'	E505318-12A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS327-0'	E505318-13A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS328-0'	E505318-14A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS329-0'	E505318-15A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS380-0'	E505318-16A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS381-0'	E505318-17A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS382-0'	E505318-18A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS383-0'	E505318-19A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS385-0'	E505318-20A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS290-0'

E505318-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*94.6 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS292-0'

E505318-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS293-0'

E505318-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS299-0'

E505318-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS301-0'

E505318-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS306-0'

E505318-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS313-0'

E505318-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*05/31/25*	*05/31/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS314-0'

E505318-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS315-0'

E505318-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS317-0'

E505318-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS323-0'

E505318-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS326-0'

E505318-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS327-0'

E505318-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS328-0'

E505318-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS329-0'

E505318-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS380-0'

E505318-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS381-0'

E505318-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS382-0'

E505318-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS383-0'

E505318-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

FS385-0'

E505318-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523020
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523031
Chloride	ND	20.0	1	06/02/25	06/02/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522089-BLK1)									Prepared: 05/31/25 Analyzed: 05/31/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.17*		*8.00*		*102*	*70-130*			
LCS (2522089-BS1)									Prepared: 05/31/25 Analyzed: 05/31/25
Benzene	4.83	0.0250	5.00		96.7	70-130			
Ethylbenzene	4.70	0.0250	5.00		94.0	70-130			
Toluene	4.79	0.0250	5.00		95.8	70-130			
o-Xylene	4.68	0.0250	5.00		93.6	70-130			
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130			
Total Xylenes	14.2	0.0250	15.0		94.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.14*		*8.00*		*102*	*70-130*			
Matrix Spike (2522089-MS1)				**Source: E505318-07**					Prepared: 05/31/25 Analyzed: 06/01/25
Benzene	5.59	0.0250	5.00	ND	112	70-130			
Ethylbenzene	5.45	0.0250	5.00	ND	109	70-130			
Toluene	5.53	0.0250	5.00	ND	111	70-130			
o-Xylene	5.35	0.0250	5.00	ND	107	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.27*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2522089-MSD1)				**Source: E505318-07**					Prepared: 05/31/25 Analyzed: 05/31/25
Benzene	5.56	0.0250	5.00	ND	111	70-130	0.576	27	
Ethylbenzene	5.39	0.0250	5.00	ND	108	70-130	1.04	26	
Toluene	5.49	0.0250	5.00	ND	110	70-130	0.717	20	
o-Xylene	5.30	0.0250	5.00	ND	106	70-130	0.938	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	1.06	23	
Total Xylenes	16.1	0.0250	15.0	ND	108	70-130	1.02	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.09*		*8.00*		*101*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522089-BLK1)									Prepared: 05/31/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			
LCS (2522089-BS2)									Prepared: 05/31/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike (2522089-MS2)				**Source: E505318-07**					Prepared: 05/31/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
Matrix Spike Dup (2522089-MSD2)				**Source: E505318-07**					Prepared: 05/31/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	70-130	9.29	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*95.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523020-BLK1)									Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.7*		*50.0*		*107*	*61-141*			
LCS (2523020-BS1)									Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	286	25.0	250		115	66-144			
Surrogate: n-Nonane	*53.5*		*50.0*		*107*	*61-141*			
Matrix Spike (2523020-MS1)				**Source: E505318-11**					Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	*53.9*		*50.0*		*108*	*61-141*			
Matrix Spike Dup (2523020-MSD1)				**Source: E505318-11**					Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	303	25.0	250	ND	121	56-156	3.86	20	
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 10:47:07AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523031-BLK1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	ND	20.0							
LCS (2523031-BS1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2523031-MS1)				**Source: E505318-05**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2523031-MSD1)				**Source: E505318-05**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	251	20.0	250	ND	100	80-120	0.223	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/04/25 10:47

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505318	1D 2D 3D Std	NM CO UT TX
Project Name: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23103.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220		X	
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	
1021	5/28/25	S	1	FS290-0'		1									X		
1024	5/28/25	S	1	FS292-0'		2									X		
1026	5/28/25	S	1	FS293-0'		3									X		
1023	5/28/25	S	1	FS299-0'		4									X		
1024	5/28/25	S	1	FS301-0'		5									X		
926	5/28/25	S	1	FS306-0'		6									X		
928	5/28/25	S	1	FS313-0'		7									X		
927	5/28/25	S	1	FS314-0'		8									X		
926	5/28/25	S	1	FS315-0'		9									X		
936	5/28/25	S	1	FS317-0'		10									X		

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance | Y | or | N

PWSID #

Sample Temp	Remarks
4.4	
4.0	
4.6	
5.0	
4.8	
4.2	
4.3	
5.1	
5.0	
4.6	

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

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

Sampled by: Aboubakar Kone, Higinio Gonzalez, Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/29/25	7:11	Michelle Gonzales	5-29-25	0711
Michelle Gonzales	5-30-25	1750		5-30-25	1800
	5-31-25	0200	Noe Soto	5-31-25	0615

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

Lab Use Only

Received on ice: (Y) N

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

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

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

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505318	1D 2D 3D Std	NM CO UT TX
Project Name: Dee Osborne 123 well Pad	Address: 3122 National Parks Hwy	Job Number 23103.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
934	5/28/25	S	1	FS323-0'		11									X			3.8	
931	5/28/25	S	1	FS326-0'		12									X			3.6	
933	5/28/25	S	1	Fs327-0'		13									X			4.0	
929	5/28/25	S	1	FS328-0'		14									X			4.1	
931	5/28/25	S	1	FS329-0'		15									X			4.5	
1304	5/28/25	S	1	FS380-0'		16									X			4.8	
1302	5/28/25	S	1	FS381-0'		17									X			5.0	
1300	5/28/25	S	1	FS382-0'		18									X			5.0	
1306	5/28/25	S	1	FS383-0'		19									X			4.7	
1146	5/28/25	S	1	FS385-0'		20									X			4.6	

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Aboubakar kone, Higinio Gonzalez, Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/29/25	7:11	Michelle Gonzales	5.29.25	0711
Michelle Gonzales	5-30-25	1750	L.M.	5.30.25	1800
L.M.	5.31.25	0200	Na Sto	5.31.25	0615

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

Lab Use Only

Received on ice: (Y) N

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

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

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

Page 785 of 1003

Envirotech Analytical Laboratory

Printed: 6/2/2025 9:47:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	05/31/25 06:15	Work Order ID:	E505318
Phone:	(972) 371-5200	Date Logged In:	05/30/25 13:47	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/05/25 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 3 reports due to sample volume. WOs are E505317 to E505319.

Client Instruction

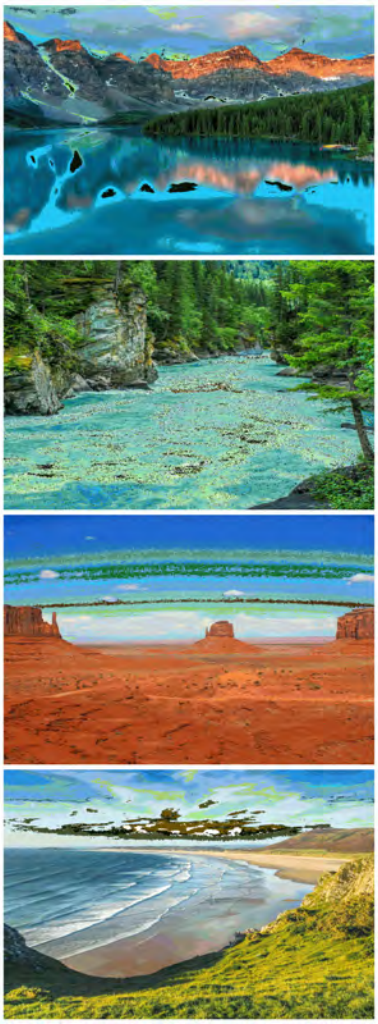
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E505319
Job Number:	23003-2002
Received:	5/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/4/25

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: 6/4/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E505319
Date Received: 5/31/2025 6:15:09AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/31/2025 6:15:09AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- FS388-0’ 5
- FS389-0’ 6
- FS390-0’ 7
- FS391-0’ 8
- FS394-0’ 9
- FS395-0’ 10
- FS396-0’ 11
- FS397-0’ 12
- FS398-0’ 13
- FS399-0’ 14
- FS400-0’ 15
- FS402-0’ 16

QC Summary Data 17

- QC - Volatile Organics by EPA 8021B 17
- QC - Nonhalogenated Organics by EPA 8015D - GRO 18
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 19
- QC - Anions by EPA 300.0/9056A 20

Definitions and Notes 21

Chain of Custody etc. 22

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/04/25 08:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS388-0'	E505319-01A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS389-0'	E505319-02A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS390-0'	E505319-03A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS391-0'	E505319-04A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS394-0'	E505319-05A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS395-0'	E505319-06A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS396-0'	E505319-07A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS397-0'	E505319-08A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS398-0'	E505319-09A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS399-0'	E505319-10A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS400-0'	E505319-11A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS402-0'	E505319-12A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS388-0'

E505319-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.9 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS389-0'

E505319-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.4 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS390-0'

E505319-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.3 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/02/25*	*06/02/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS391-0'

E505319-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.5 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS394-0'

E505319-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.4 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS395-0'

E505319-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.0 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS396-0'

E505319-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.1 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS397-0'

E505319-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*84.7 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS398-0'

E505319-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS399-0'

E505319-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.0 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS400-0'

E505319-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

FS402-0'

E505319-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Benzene	ND	0.0250	1	05/31/25	06/01/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/01/25	
Toluene	ND	0.0250	1	05/31/25	06/01/25	
o-Xylene	ND	0.0250	1	05/31/25	06/01/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/01/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.9 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2522090
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*05/31/25*	*06/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523021
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2523032
Chloride	ND	20.0	1	06/02/25	06/03/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522090-BLK1)									Prepared: 05/31/25 Analyzed: 05/31/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.02*		*8.00*		*87.8*	*70-130*			
LCS (2522090-BS1)									Prepared: 05/31/25 Analyzed: 05/31/25
Benzene	5.87	0.0250	5.00		117	70-130			
Ethylbenzene	5.69	0.0250	5.00		114	70-130			
Toluene	5.79	0.0250	5.00		116	70-130			
o-Xylene	5.62	0.0250	5.00		112	70-130			
p,m-Xylene	11.4	0.0500	10.0		114	70-130			
Total Xylenes	17.0	0.0250	15.0		114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.04*		*8.00*		*88.0*	*70-130*			
Matrix Spike (2522090-MS1)				**Source: E505319-03**					Prepared: 05/31/25 Analyzed: 06/01/25
Benzene	5.30	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.13	0.0250	5.00	ND	103	70-130			
Toluene	5.24	0.0250	5.00	ND	105	70-130			
o-Xylene	5.12	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*6.96*		*8.00*		*87.1*	*70-130*			
Matrix Spike Dup (2522090-MSD1)				**Source: E505319-03**					Prepared: 05/31/25 Analyzed: 06/01/25
Benzene	5.10	0.0250	5.00	ND	102	70-130	3.83	27	
Ethylbenzene	4.97	0.0250	5.00	ND	99.3	70-130	3.28	26	
Toluene	5.04	0.0250	5.00	ND	101	70-130	3.80	20	
o-Xylene	4.92	0.0250	5.00	ND	98.3	70-130	4.04	25	
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130	3.18	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.5	70-130	3.46	26	
Surrogate: 4-Bromochlorobenzene-PID	*6.96*		*8.00*		*87.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522090-BLK1)									Prepared: 05/31/25 Analyzed: 05/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			
LCS (2522090-BS2)									Prepared: 05/31/25 Analyzed: 06/01/25
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.3*	*70-130*			
Matrix Spike (2522090-MS2)				**Source: E505319-03**					Prepared: 05/31/25 Analyzed: 06/01/25
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.2*	*70-130*			
Matrix Spike Dup (2522090-MSD2)				**Source: E505319-03**					Prepared: 05/31/25 Analyzed: 06/01/25
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.7	70-130	1.66	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523021-BLK1)									Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*61-141*			
LCS (2523021-BS1)									Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	286	25.0	250		114	66-144			
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*61-141*			
Matrix Spike (2523021-MS1)				**Source: E505321-03**					Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	299	25.0	250	ND	119	56-156			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
Matrix Spike Dup (2523021-MSD1)				**Source: E505321-03**					Prepared: 06/02/25 Analyzed: 06/02/25
Diesel Range Organics (C10-C28)	294	25.0	250	ND	118	56-156	1.61	20	
Surrogate: n-Nonane	*51.8*		*50.0*		*104*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/4/2025 8:35:33AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523032-BLK1)									Prepared: 06/02/25 Analyzed: 06/03/25
Chloride	ND	20.0							
LCS (2523032-BS1)									Prepared: 06/02/25 Analyzed: 06/03/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2523032-MS1)				**Source: E505319-06**					Prepared: 06/02/25 Analyzed: 06/03/25
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523032-MSD1)				**Source: E505319-06**					Prepared: 06/02/25 Analyzed: 06/03/25
Chloride	256	20.0	250	ND	103	80-120	0.267	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-2002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/04/25 08:35

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505319	1D 2D 3D Std	NM CO UT TX
Project Name: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
1142	5/28/25	S	1	FS388-0'		1									X			4.2	
1256	5/28/25	S	1	FS389-0'		2									X			4.4	
1143	5/28/25	S	1	FS390-0'		3									X			4.5	
1144	5/28/25	S	1	FS391-0'		4									X			5.0	
1257	5/28/25	S	1	FS394-0'		5									X			4.8	
1257	5/28/25	S	1	FS395-0'		6									X			5.0	
1259	5/28/25	S	1	FS396-0'		7									X			4.6	
1258	5/28/25	S	1	FS397-0'		8									X			4.1	
1304	5/28/25	S	1	FS398-0'		9									X			4.0	
1303	5/28/25	S	1	FS399-0'		10									X			3.8	

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Aboubakar Kone, Higinio Gonzalez, Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/29/25	7:11	Michelle Gonzales	5-29-25	0711
Michelle Gonzales	5-30-25	1750		5.30.25	1800
	5.31.25	0200		5.31.25	615

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

Lab Use Only

Received on ice: (Y) N

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

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

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

Page 808 of 1003

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505319	1D 2D 3D Std	NM CO UT TX
Project Name:Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
1302	5/28/25	S	1	FS400-0'		11									X			3.6	
837	5/28/25	S	1	FS402-0'		12									X			4.2	

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Aboubakar Kone, Higinio Gonzalez, Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/29/25	7:11	Michelle Gonzales	5-29-25	0711
Michelle Gonzales	5-30-25	1750		5.30.25	1800
	5.31.25	0200	Noe Soto	5-31-25	615
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

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

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

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

Page 809 of 1003

Envirotech Analytical Laboratory

Printed: 6/2/2025 9:55:19AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	05/31/25 06:15	Work Order ID:	E505319
Phone:	(972) 371-5200	Date Logged In:	05/30/25 13:49	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/05/25 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 3 reports due to sample volume. WOs are E505317 to E505319.

Client Instruction

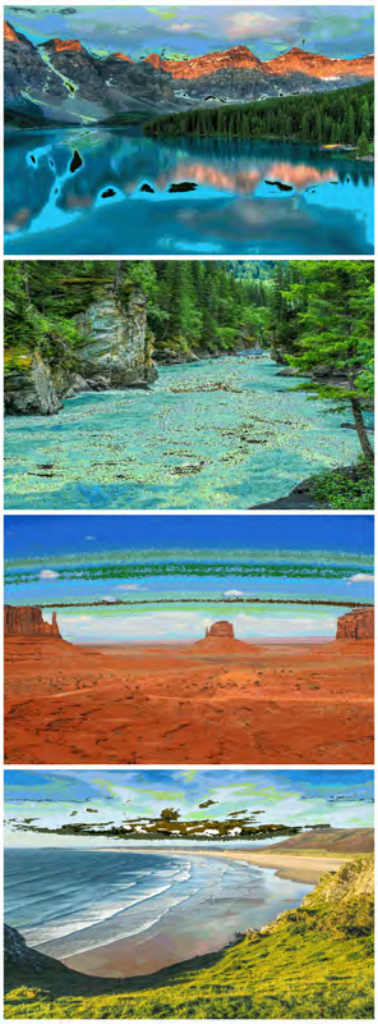
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E505327
Job Number:	23003-0002
Received:	5/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/5/25

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: 6/5/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E505327
Date Received: 5/31/2025 3:15:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/31/2025 3:15:00PM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS285 - 0’ 6

FS289 - 0’ 7

FS291 - 0’ 8

FS310 - 0’ 9

FS312 - 0’ 10

FS333 - 0’ 11

FS334 - 0’ 12

FS335 - 0’ 13

FS336 - 0’ 14

FS337 - 0’ 15

FS338 - 0’ 16

FS339 - 0’ 17

FS340 - 0’ 18

FS350 - 0’ 19

FS351 - 0’ 20

FS352 - 0’ 21

FS353 - 0’ 22

FS369 - 0’ 23

FS370 - 0’ 24

FS373 - 0’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/05/25 16:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS285 - 0'	E505327-01A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS289 - 0'	E505327-02A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS291 - 0'	E505327-03A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS310 - 0'	E505327-04A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS312 - 0'	E505327-05A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS333 - 0'	E505327-06A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS334 - 0'	E505327-07A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS335 - 0'	E505327-08A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS336 - 0'	E505327-09A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS337 - 0'	E505327-10A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS338 - 0'	E505327-11A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS339 - 0'	E505327-12A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS340 - 0'	E505327-13A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS350 - 0'	E505327-14A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS351 - 0'	E505327-15A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS352 - 0'	E505327-16A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS353 - 0'	E505327-17A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS369 - 0'	E505327-18A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS370 - 0'	E505327-19A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS373 - 0'	E505327-20A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS285 - 0'

E505327-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS289 - 0'

E505327-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS291 - 0'

E505327-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS310 - 0'

E505327-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS312 - 0'

E505327-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS333 - 0'

E505327-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS334 - 0'

E505327-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS335 - 0'

E505327-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/02/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS336 - 0'

E505327-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS337 - 0'

E505327-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS338 - 0'

E505327-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS339 - 0'

E505327-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS340 - 0'

E505327-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS350 - 0'

E505327-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS351 - 0'

E505327-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS352 - 0'

E505327-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS353 - 0'

E505327-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS369 - 0'

E505327-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS370 - 0'

E505327-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

FS373 - 0'

E505327-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523002
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523096
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/05/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*06/02/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2523037
Chloride	ND	20.0	1	06/02/25	06/03/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523002-BLK1)									Prepared: 06/01/25 Analyzed: 06/02/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.1*	*70-130*			
LCS (2523002-BS1)									Prepared: 06/01/25 Analyzed: 06/02/25
Benzene	5.71	0.0250				70-130			
Ethylbenzene	5.57	0.0250				70-130			
Toluene	5.65	0.0250				70-130			
o-Xylene	5.46	0.0250				70-130			
p,m-Xylene	11.2	0.0500				70-130			
Total Xylenes	16.7	0.0250				70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.15*		*8.00*		*102*	*70-130*			
Matrix Spike (2523002-MS1)				**Source: E505327-02**					Prepared: 06/01/25 Analyzed: 06/02/25
Benzene	5.76	0.0250		ND		70-130			
Ethylbenzene	5.60	0.0250		ND		70-130			
Toluene	5.69	0.0250		ND		70-130			
o-Xylene	5.50	0.0250		ND		70-130			
p,m-Xylene	11.3	0.0500		ND		70-130			
Total Xylenes	16.8	0.0250		ND		70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.41*		*8.00*		*105*	*70-130*			
Matrix Spike Dup (2523002-MSD1)				**Source: E505327-02**					Prepared: 06/01/25 Analyzed: 06/02/25
Benzene	5.65	0.0250		ND		70-130	2.00	27	
Ethylbenzene	5.49	0.0250		ND		70-130	1.95	26	
Toluene	5.58	0.0250		ND		70-130	1.92	20	
o-Xylene	5.40	0.0250		ND		70-130	1.96	25	
p,m-Xylene	11.0	0.0500		ND		70-130	1.87	23	
Total Xylenes	16.4	0.0250		ND		70-130	1.90	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.37*		*8.00*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523002-BLK1)									Prepared: 06/01/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.2*	*70-130*			
LCS (2523002-BS2)									Prepared: 06/01/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.9*	*70-130*			
Matrix Spike (2523002-MS2)				**Source: E505327-02**					Prepared: 06/01/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.8*	*70-130*			
Matrix Spike Dup (2523002-MSD2)				**Source: E505327-02**					Prepared: 06/01/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	9.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523096-BLK1)									Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			
LCS (2523096-BS1)									Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	281	25.0	250		112	66-144			
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*61-141*			
Matrix Spike (2523096-MS1)				**Source: E505327-04RE1**					Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	*52.3*		*50.0*		*105*	*61-141*			
Matrix Spike Dup (2523096-MSD1)				**Source: E505327-04RE1**					Prepared: 06/04/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	302	25.0	250	ND	121	56-156	3.44	20	
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/5/2025 4:32:47PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523037-BLK1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	ND	20.0							
LCS (2523037-BS1)									Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2523037-MS1)				**Source: E505327-05**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523037-MSD1)				**Source: E505327-05**					Prepared: 06/02/25 Analyzed: 06/02/25
Chloride	257	20.0	250	ND	103	80-120	0.505	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/05/25 16:32

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505327	Job Number 23003-0002	1D 2D 3D Std: x	NM: x CO UT TX
Project Name: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
9:15	5/29/2025	S	1	FS285 - 0'		1									x			4.3	
10:03	5/29/2025	S	1	FS289 - 0'		2									x			3.9	
9:48	5/29/2025	S	1	FS291 - 0'		3									x			3.6	
10:19	5/29/2025	S	1	FS310 - 0'		4									x			4.2	
10:17	5/29/2025	S	1	FS312 - 0'		5									x			4.7	
13:45	5/29/2025	S	1	FS333 - 0'		6									x			4.1	
13:47	5/29/2025	S	1	FS334 - 0'		7									x			4.3	
13:43	5/29/2025	S	1	FS335 - 0'		8									x			4.8	
14:02	5/29/2025	S	1	FS336 - 0'		9									x			4.3	
13:41	5/29/2025	S	1	FS337 - 0'		10									x			4.1	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance | Y | or | N

PWSID #

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/30/25	7:11	Michelle Gonzales	5-30-25	0711
Michelle Gonzales	5-30-25	1750		5.30.25	1800
	5.31.25	0200	Caitlin Mars	5-31-25	1515
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

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

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

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

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505327	1D 2D 3D Std	NM CO UT TX
Project Name: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003-0002	x	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information							Analysis and Method										EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		SDWA	CWA	RCRA
																		Compliance	Y or N	
																		PWSID #		
14:03	5/29/2025	S	1	FS338 - 0'		11									x			4.3		
13:39	5/29/2025	S	1	FS339 - 0'		12									x			5.2		
14:05	5/29/2025	S	1	FS340 - 0'		13									x			4.7		
13:38	5/29/2025	S	1	FS350 - 0'		14									x			4.7		
14:07	5/29/2025	S	1	FS351 - 0'		15									x			5.3		
13:36	5/29/2025	S	1	FS352 - 0'		16									x			5.0		
14:09	5/29/2025	S	1	FS353 - 0'		17									x			5.1		
9:41	5/29/2025	S	1	FS369 - 0'		18									x			3.6		
9:43	5/29/2025	S	1	FS370 - 0'		19									x			4.1		
9:46	5/29/2025	S	1	FS373 - 0'		20									x			3.7		

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/30/25	7:11	Michelle Gonzales	5.30.25	0711
Michelle Gonzales			L.M.	5-30-25	1800
L.M.	5.31.25	0200		5.31.25	1515

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

Lab Use Only
Received on ice: (Y) / N

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

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

Envirotech Analytical Laboratory

Printed: 6/2/2025 9:24:07AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	05/31/25 15:15	Work Order ID:	E505327
Phone:	(972) 371-5200	Date Logged In:	05/30/25 16:06	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 2 reports. WOs are E505327 & E505328.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E505328
Job Number:	23003-0002
Received:	5/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/6/25

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: 6/6/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E505328
Date Received: 5/31/2025 3:15:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/31/2025 3:15:00PM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

- FS374 - 0’ 6
- FS375 - 0’ 7
- FS376 - 0’ 8
- FS377 - 0’ 9
- FS378 - 0’ 10
- FS379 - 0’ 11
- FS386 - 0’ 12
- FS392 - 0’ 13
- FS393 - 0’ 14
- FS401 - 0’ 15
- FS295 - 0’ 16
- FS298 - 0’ 17
- FS302 - 0’ 18
- FS307 - 0’ 19
- FS308 - 0’ 20
- FS311 - 0’ 21

QC Summary Data 22

- QC - Volatile Organics by EPA 8021B 22
- QC - Nonhalogenated Organics by EPA 8015D - GRO 23
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 24

Table of Contents (continued)

QC - Anions by EPA 300.0/9056A 25

Definitions and Notes 26

Chain of Custody etc. 27

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/06/25 11:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS374 - 0'	E505328-01A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS375 - 0'	E505328-02A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS376 - 0'	E505328-03A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS377 - 0'	E505328-04A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS378 - 0'	E505328-05A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS379 - 0'	E505328-06A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS386 - 0'	E505328-07A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS392 - 0'	E505328-08A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS393 - 0'	E505328-09A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS401 - 0'	E505328-10A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS295 - 0'	E505328-11A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS298 - 0'	E505328-12A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS302 - 0'	E505328-13A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS307 - 0'	E505328-14A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS308 - 0'	E505328-15A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.
FS311 - 0'	E505328-16A	Soil	05/29/25	05/31/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS374 - 0'

E505328-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS375 - 0'

E505328-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*125 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS376 - 0'

E505328-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*06/01/25*	*06/02/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane		*121 %*	*61-141*	*06/02/25*	*06/03/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS377 - 0'

E505328-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*127 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS378 - 0'

E505328-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.3 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*123 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS379 - 0'

E505328-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS386 - 0'

E505328-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS392 - 0'

E505328-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.4 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*117 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	**20.9**	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS393 - 0'

E505328-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS401 - 0'

E505328-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.5 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.9 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS295 - 0'

E505328-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*130 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS298 - 0'

E505328-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.5 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	**33.0**	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS302 - 0'

E505328-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.1 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	**36.6**	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*123 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS307 - 0'

E505328-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*123 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS308 - 0'

E505328-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	**32.3**	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

FS311 - 0'

E505328-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523003
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*06/01/25*	*06/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523050
Diesel Range Organics (C10-C28)	**27.4**	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*06/02/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523053
Chloride	ND	20.0	1	06/02/25	06/03/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523003-BLK1)									Prepared: 06/01/25 Analyzed: 06/02/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*6.97*		*8.00*		*87.1*	*70-130*			
LCS (2523003-BS1)									Prepared: 06/01/25 Analyzed: 06/02/25
Benzene	4.67	0.0250	5.00		93.4	70-130			
Ethylbenzene	4.58	0.0250	5.00		91.5	70-130			
Toluene	4.64	0.0250	5.00		92.7	70-130			
o-Xylene	4.49	0.0250	5.00		89.9	70-130			
p,m-Xylene	9.27	0.0500	10.0		92.7	70-130			
Total Xylenes	13.8	0.0250	15.0		91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.02*		*8.00*		*87.8*	*70-130*			
Matrix Spike (2523003-MS1)				**Source: E505328-03**					Prepared: 06/01/25 Analyzed: 06/02/25
Benzene	4.57	0.0250	5.00	ND	91.5	70-130			
Ethylbenzene	4.48	0.0250	5.00	ND	89.7	70-130			
Toluene	4.54	0.0250	5.00	ND	90.8	70-130			
o-Xylene	4.41	0.0250	5.00	ND	88.1	70-130			
p,m-Xylene	9.06	0.0500	10.0	ND	90.6	70-130			
Total Xylenes	13.5	0.0250	15.0	ND	89.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.19*		*8.00*		*89.8*	*70-130*			
Matrix Spike Dup (2523003-MSD1)				**Source: E505328-03**					Prepared: 06/01/25 Analyzed: 06/02/25
Benzene	5.06	0.0250	5.00	ND	101	70-130	10.2	27	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	70-130	10.6	26	
Toluene	5.03	0.0250	5.00	ND	101	70-130	10.3	20	
o-Xylene	4.89	0.0250	5.00	ND	97.7	70-130	10.3	25	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	10.6	23	
Total Xylenes	15.0	0.0250	15.0	ND	99.8	70-130	10.5	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.05*		*8.00*		*88.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523003-BLK1)									Prepared: 06/01/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			
LCS (2523003-BS2)									Prepared: 06/01/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.97*		*8.00*		*99.6*	*70-130*			
Matrix Spike (2523003-MS2)				**Source: E505328-03**					Prepared: 06/01/25 Analyzed: 06/02/25
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0	ND	87.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.99*		*8.00*		*99.8*	*70-130*			
Matrix Spike Dup (2523003-MSD2)				**Source: E505328-03**					Prepared: 06/01/25 Analyzed: 06/03/25
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.2	70-130	5.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.98*		*8.00*		*99.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523050-BLK1)									Prepared: 06/02/25 Analyzed: 06/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*61.7*		*50.0*		*123*	*61-141*			
LCS (2523050-BS1)									Prepared: 06/02/25 Analyzed: 06/03/25
Diesel Range Organics (C10-C28)	304	25.0	250		122	66-144			
Surrogate: n-Nonane	*57.4*		*50.0*		*115*	*61-141*			
Matrix Spike (2523050-MS1)				**Source: E505328-14**					Prepared: 06/02/25 Analyzed: 06/03/25
Diesel Range Organics (C10-C28)	334	25.0	250	ND	134	56-156			
Surrogate: n-Nonane	*60.5*		*50.0*		*121*	*61-141*			
Matrix Spike Dup (2523050-MSD1)				**Source: E505328-14**					Prepared: 06/02/25 Analyzed: 06/03/25
Diesel Range Organics (C10-C28)	337	25.0	250	ND	135	56-156	0.730	20	
Surrogate: n-Nonane	*60.7*		*50.0*		*121*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/6/2025 11:50:21AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523053-BLK1)									Prepared: 06/02/25 Analyzed: 06/03/25
Chloride	ND	20.0							
LCS (2523053-BS1)									Prepared: 06/02/25 Analyzed: 06/03/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2523053-MS1)				**Source: E505328-05**					Prepared: 06/02/25 Analyzed: 06/03/25
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2523053-MSD1)				**Source: E505328-05**					Prepared: 06/02/25 Analyzed: 06/03/25
Chloride	254	20.0	250	ND	101	80-120	0.0809	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/06/25 11:50

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

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

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

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505328	Job Number 23003-0002	1D 2D 3D Std: x	NM x, CO, UT, TX
Project Name: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
9:48	5/29/2025	S	1	FS374 - 0'		1									x			3.7	
9:39	5/29/2025	S	1	FS375 - 0'		2									x			3.4	
9:30	5/29/2025	S	1	FS376 - 0'		3									x			3.3	
9:34	5/29/2025	S	1	FS377 - 0'		4									x			3.6	
9:34	5/29/2025	S	1	FS378 - 0'		5									x			4.3	
9:28	5/29/2025	S	1	FS379 - 0'		6									x			4.4	
9:50	5/29/2025	S	1	FS386 - 0'		7									x			4.6	
9:23	5/29/2025	S	1	FS392 - 0'		8									x			4.8	
9:26	5/29/2025	S	1	FS393 - 0'		9									x			4.4	
14:28	5/29/2025	S	1	FS401 - 0'		10									x			4.9	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/30/25	7:11	Michelle Gonzales	5 30 25	0711
Michelle Gonzales	5-30-25	1750		5-30-25	1800
	5-31-25	0200		5-31-25	1515

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

Lab Use Only

Received on ice: (Y) N

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

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

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

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E505328	1D 2D 3D Std	NM CO UT TX
Project Name: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1407	5/29/25	S	1	FS295-0'		11									X			3.9	
1415	5/29/25	S	1	FS298-0'		12									X			4.3	
1423	5/29/25	S	1	FS302-0'		13									X			3.7	
1006	5/29/25	S	1	FS307-0'		14									X			3.8	
1419	5/29/25	S	1	FS308-0'		15									X			4.4	
1422	5/29/25	S	1	FS311-0'		16									X			4.1	

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Aboubakar Kone, Oluwale Aderinto

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/30/25	7:11	Michelle Gonzales	5.30.25	0711
Michelle Gonzales	5-30-25	1750		5.30.25	1800
	5-31-25	0200		5-31-25	1515

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

Lab Use Only

Received on ice: (Y) / N

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

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

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

Envirotech Analytical Laboratory

Printed: 6/2/2025 9:25:44AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	05/31/25 15:15	Work Order ID:	E505328
Phone:	(972) 371-5200	Date Logged In:	05/30/25 16:10	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 2 reports. WOs are E505327 & E505328.

Client Instruction

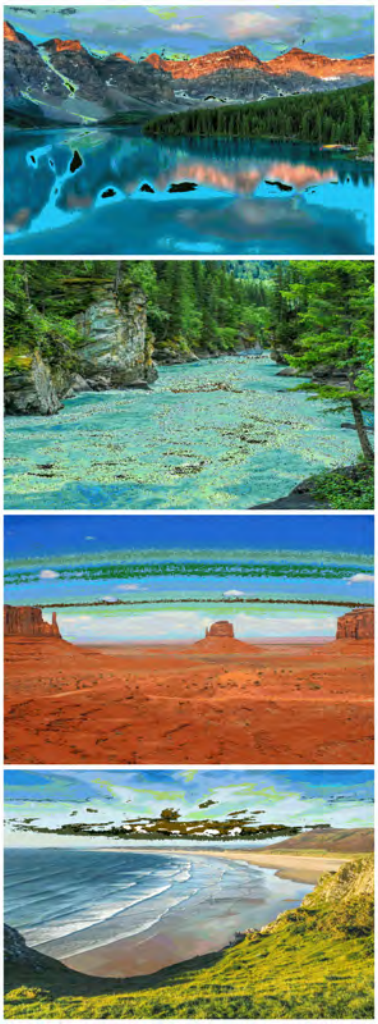
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E506007
Job Number:	23003-0002
Received:	6/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/9/25

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: 6/9/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E506007
Date Received: 6/3/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/3/2025 8:00:00AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

FS288-0’ 6

FS294-0’ 7

FS296-0’ 8

FS297-0’ 9

FS307-0’ 10

FS308-0’ 11

FS309-0’ 12

FS311-0’ 13

FS341-0’ 14

FS342-0’ 15

FS343-0’ 16

FS344-0’ 17

FS345-0’ 18

FS346-0’ 19

FS347-0’ 20

FS348-0’ 21

FS249-0’ 22

FS354-0’ 23

FS355-0’ 24

FS356-0’ 25

Table of Contents (continued)

QC Summary Data 26

QC - Volatile Organics by EPA 8021B 26

QC - Nonhalogenated Organics by EPA 8015D - GRO 27

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 28

QC - Anions by EPA 300.0/9056A 29

Definitions and Notes 30

Chain of Custody etc. 31

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/09/25 11:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS288-0'	E506007-01A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS294-0'	E506007-02A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS296-0'	E506007-03A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS297-0'	E506007-04A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS307-0'	E506007-05A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS308-0'	E506007-06A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS309-0'	E506007-07A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS311-0'	E506007-08A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS341-0'	E506007-09A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS342-0'	E506007-10A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS343-0'	E506007-11A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS344-0'	E506007-12A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS345-0'	E506007-13A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS346-0'	E506007-14A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS347-0'	E506007-15A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS348-0'	E506007-16A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS249-0'	E506007-17A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS354-0'	E506007-18A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS355-0'	E506007-19A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS356-0'	E506007-20A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS288-0'

E506007-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/04/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	**25.8**	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS294-0'

E506007-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/04/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/03/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	**22.9**	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS296-0'

E506007-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/06/25	
Toluene	ND	0.0250	1	06/03/25	06/06/25	
o-Xylene	ND	0.0250	1	06/03/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/03/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.4 %*	*70-130*	*06/03/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/04/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/03/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	**24.2**	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS297-0'

E506007-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/04/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/03/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	**26.8**	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS307-0'

E506007-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/04/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/03/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS308-0'

E506007-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/04/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS309-0'

E506007-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/06/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/06/25	
Toluene	ND	0.0250	1	06/03/25	06/06/25	
o-Xylene	ND	0.0250	1	06/03/25	06/06/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/06/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/06/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/03/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*06/03/25*	*06/06/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/04/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	**24.8**	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS311-0'

E506007-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/04/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/04/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS341-0'

E506007-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	**0.0536**	0.0500	1	06/03/25	06/04/25	
Total Xylenes	**0.0536**	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.5 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS342-0'

E506007-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS343-0'

E506007-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS344-0'

E506007-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	**0.0332**	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	**0.0650**	0.0500	1	06/03/25	06/04/25	
Total Xylenes	**0.0982**	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS345-0'

E506007-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS346-0'

E506007-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.5 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS347-0'

E506007-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.9 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS348-0'

E506007-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS249-0'

E506007-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.1 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS354-0'

E506007-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.9 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS355-0'

E506007-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

FS356-0'

E506007-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2523060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2523079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523076
Chloride	ND	20.0	1	06/03/25	06/04/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523060-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.10*		*8.00*		*101*	*70-130*			
LCS (2523060-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	4.78	0.0250	5.00		95.5	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.7	70-130			
Toluene	4.80	0.0250	5.00		96.1	70-130			
o-Xylene	4.82	0.0250	5.00		96.4	70-130			
p,m-Xylene	9.46	0.0500	10.0		94.6	70-130			
Total Xylenes	14.3	0.0250	15.0		95.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.47*		*8.00*		*106*	*70-130*			
Matrix Spike (2523060-MS1)				**Source: E506007-10**					Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	5.26	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.31	0.0250	5.00	ND	106	70-130			
Toluene	5.28	0.0250	5.00	ND	106	70-130			
o-Xylene	5.27	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.11*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2523060-MSD1)				**Source: E506007-10**					Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	4.92	0.0250	5.00	ND	98.4	70-130	6.78	27	
Ethylbenzene	4.95	0.0250	5.00	ND	99.0	70-130	7.07	26	
Toluene	4.93	0.0250	5.00	ND	98.6	70-130	6.81	20	
o-Xylene	4.93	0.0250	5.00	ND	98.5	70-130	6.77	25	
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	70-130	6.85	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.2	70-130	6.82	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.28*		*8.00*		*104*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523060-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.94*		*8.00*		*86.8*	*70-130*			
LCS (2523060-BS2)									Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.94*		*8.00*		*86.7*	*70-130*			
Matrix Spike (2523060-MS2)				**Source: E506007-10**					Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.05*		*8.00*		*88.2*	*70-130*			
Matrix Spike Dup (2523060-MSD2)				**Source: E506007-10**					Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.3	70-130	1.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.88*		*8.00*		*86.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523079-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
LCS (2523079-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	275	25.0	250		110	66-144			
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*61-141*			
Matrix Spike (2523079-MS1)				**Source: E506007-10**					Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	*53.4*		*50.0*		*107*	*61-141*			
Matrix Spike Dup (2523079-MSD1)				**Source: E506007-10**					Prepared: 06/03/25 Analyzed: 06/04/25
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156	2.38	20	
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 11:46:35AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523076-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	ND	20.0							
LCS (2523076-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2523076-MS1)				**Source: E506007-07**					Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	282	20.0	250	24.8	103	80-120			
Matrix Spike Dup (2523076-MSD1)				**Source: E506007-07**					Prepared: 06/03/25 Analyzed: 06/04/25
Chloride	284	20.0	250	24.8	104	80-120	0.536	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/09/25 11:46

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E506007	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
12:50	5/30/2025	S	1	FS288-0'		1						X						1.8
12:54	5/30/2025	S	1	FS294-0'		2						X						1.5
13:02	5/30/2025	S	1	FS296-0'		3						X						1.8
12:59	5/30/2025	S	1	FS297-0'		4						X						2.9
12:54	5/30/2025	S	1	FS307-0'		5						X						1.2
13:01	5/30/2025	S	1	FS308-0'		6						X						2.4
12:48	5/30/2025	S	1	FS309-0'		7						X						1.1
13:09	5/30/2025	S	1	FS311-0'		8						X						3.0
9:07	5/30/2025	S	1	FS341-0'		9						X						1.9
9:10	5/30/2025	S	1	FS342-0'		10						X						1.8

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

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

Sampled by: Aboubakar Kone, OA

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/2/25	7:11	Michelle Gonzales	6.2.25	0711
Michelle Gonzales	6.2.25	0711		6.2.25	1845
	6.2.25	2400	Caitlin Mars	6.3.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E506007	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
9:05	5/30/2025	S	1	FS343-0'		11						X						1.5
9:13	5/30/2025	S	1	FS344-0'		12						X						3.1
9:02	5/30/2025	S	1	FS345-0'		13						X						2.0
8:59	5/30/2025	S	1	FS346-0'		14						X						2.0
9:15	5/30/2025	S	1	FS347-0'		15						X						1.8
9:19	5/30/2025	S	1	FS348-0'		16						X						1.9
9:09	5/30/2025	S	1	FS349-0'		17						X						4.3
8:56	5/30/2025	S	1	FS354-0'		18						X						2.1
9:27	5/30/2025	S	1	FS355-0'		19						X						2.3
8:54	5/30/2025	S	1	FS356-0'		20						X						2.9

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

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

Sampled by: Aboubakar Kone, OA

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/2/25	7:11	Michelle Gonzales	6.2.25	0711
Michelle Gonzales	6.2.25	1845		6.2.25	1845
	6.2.25	2400		6/3/25	800

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 6/3/2025 12:59:33PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	06/03/25 08:00	Work Order ID:	E506007
Phone:	(972) 371-5200	Date Logged In:	06/02/25 15:05	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/09/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 2 reports. WO are E506007 & E506008.

Client Instruction

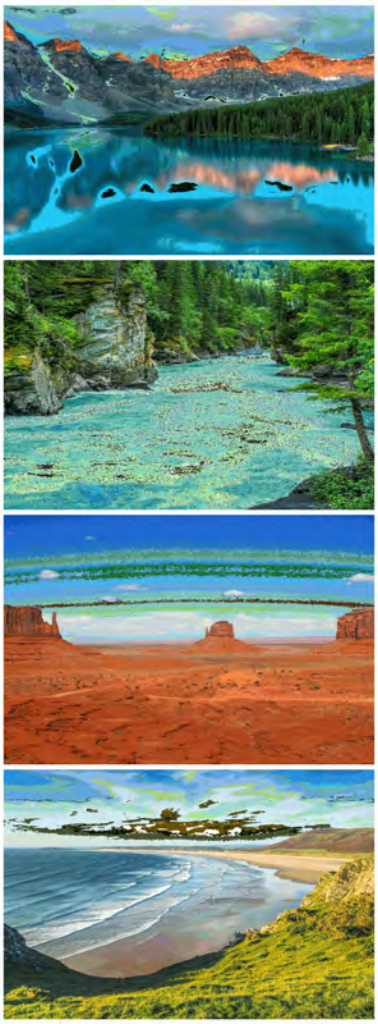
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Dee Osborne 123 Well Pad
Work Order:	E506008
Job Number:	23003-0002
Received:	6/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/9/25

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: 6/9/25

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

Project Name: Dee Osborne 123 Well Pad
Workorder: E506008
Date Received: 6/3/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/3/2025 8:00:00AM, under the Project Name: Dee Osborne 123 Well Pad.

The analytical test results summarized in this report with the Project Name: Dee Osborne 123 Well Pad 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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@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

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 5

Sample Data 6

- FS357-0’ 6
- FS358-0’ 7
- FS359-0’ 8
- FS360-0’ 9
- FS361-0’ 10
- FS362-0’ 11
- FS363-0’ 12
- FS364-0’ 13
- FS365-0’ 14
- FS366-0’ 15
- FS367-0’ 16
- FS368-0’ 17
- FS371-0’ 18
- FS372-0’ 19
- FS384-0’ 20
- FS387-0’ 21

QC Summary Data 22

- QC - Volatile Organics by EPA 8021B 22
- QC - Nonhalogenated Organics by EPA 8015D - GRO 23
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 24

Table of Contents (continued)

QC - Anions by EPA 300.0/9056A 25

Definitions and Notes 26

Chain of Custody etc. 27

Sample Summary

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/09/25 15:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS357-0'	E506008-01A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS358-0'	E506008-02A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS359-0'	E506008-03A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS360-0'	E506008-04A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS361-0'	E506008-05A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS362-0'	E506008-06A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS363-0'	E506008-07A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS364-0'	E506008-08A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS365-0'	E506008-09A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS366-0'	E506008-10A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS367-0'	E506008-11A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS368-0'	E506008-12A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS371-0'	E506008-13A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS372-0'	E506008-14A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS384-0'	E506008-15A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS387-0'	E506008-16A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS357-0'

E506008-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS358-0'

E506008-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	**24.2**	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS359-0'

E506008-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.9 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	**25.2**	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS360-0'

E506008-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS361-0'

E506008-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*87.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS362-0'

E506008-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS363-0'

E506008-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS364-0'

E506008-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS365-0'

E506008-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.4 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS366-0'

E506008-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS367-0'

E506008-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS368-0'

E506008-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS371-0'

E506008-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS372-0'

E506008-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/03/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS384-0'

E506008-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/04/25	

Sample Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

FS387-0'

E506008-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2523061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*06/03/25*	*06/04/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2523080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*06/03/25*	*06/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2523085
Chloride	ND	20.0	1	06/03/25	06/04/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523061-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.20*		*8.00*		*90.0*	*70-130*			
LCS (2523061-BS1)									Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.08*		*8.00*		*88.5*	*70-130*			
Matrix Spike (2523061-MS1)				**Source: E506008-06**					Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	5.07	0.0250	5.00	ND	101	70-130			
Ethylbenzene	5.10	0.0250	5.00	ND	102	70-130			
Toluene	5.12	0.0250	5.00	ND	102	70-130			
o-Xylene	5.08	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike Dup (2523061-MSD1)				**Source: E506008-06**					Prepared: 06/03/25 Analyzed: 06/04/25
Benzene	5.31	0.0250	5.00	ND	106	70-130	4.63	27	
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130	4.60	26	
Toluene	5.35	0.0250	5.00	ND	107	70-130	4.47	20	
o-Xylene	5.29	0.0250	5.00	ND	106	70-130	3.96	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	4.47	23	
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130	4.30	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.21*		*8.00*		*90.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523061-BLK1)									Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.8*	*70-130*			
LCS (2523061-BS2)									Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			
Matrix Spike (2523061-MS2)				**Source: E506008-06**					Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*97.9*	*70-130*			
Matrix Spike Dup (2523061-MSD2)				**Source: E506008-06**					Prepared: 06/03/25 Analyzed: 06/04/25
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.1	70-130	6.15	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523080-BLK1)									Prepared: 06/03/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.9*		*50.0*		*102*	*61-141*			
LCS (2523080-BS1)									Prepared: 06/03/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	280	25.0	250		112	66-144			
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*61-141*			
Matrix Spike (2523080-MS1)				**Source: E506008-06**					Prepared: 06/03/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*61-141*			
Matrix Spike Dup (2523080-MSD1)				**Source: E506008-06**					Prepared: 06/03/25 Analyzed: 06/05/25
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	56-156	2.39	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.3*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/9/2025 3:01:19PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2523085-BLK1)									Prepared: 06/03/25 Analyzed: 06/03/25
Chloride	ND	20.0							
LCS (2523085-BS1)									Prepared: 06/03/25 Analyzed: 06/03/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2523085-MS1)				**Source: E506008-08**					Prepared: 06/03/25 Analyzed: 06/03/25
Chloride	268	20.0	250	ND	107	80-120			
Matrix Spike Dup (2523085-MSD1)				**Source: E506008-08**					Prepared: 06/03/25 Analyzed: 06/03/25
Chloride	267	20.0	250	ND	107	80-120	0.167	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Dee Osborne 123 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/09/25 15:01

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: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State					
Client: Matador Production Company	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	E506008	23003.0002				X	X					
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220												
Address: 3122 National Parks Hwy	Phone: 575-988-0055												
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com												
Phone: 575-988-0055	Miscellaneous:												
Email: agiovengo@ensolum.com													

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
9:29	5/30/2025	S	1	FS357-0'		1						X						1.4
12:13	5/30/2025	S	1	FS358-0'		2						X						3.0
9:07	5/30/2025	S	1	FS359-0'		3						X						1.0
9:32	5/30/2025	S	1	FS360-0'		4						X						1.1
9:05	5/30/2025	S	1	FS361-0'		5						X						1.5
9:01	5/30/2025	S	1	FS362-0'		6						X						2.0
8:54	5/30/2025	S	1	FS363-0'		7						X						1.6
9:03	5/30/2025	S	1	FS364-0'		8						X						2.1
8:58	5/30/2025	S	1	FS365-0'		9						X						2.0
8:56	5/30/2025	S	1	FS366-0'		10						X						2.9

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

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

Sampled by: Aboubakar Kone, OA

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/2/25	7:11	Michelle Gonzales	6.2.25	0711
Michelle Gonzales	6.2.25	1845		6.2.25	1845
	6.2.25	2400	Caitlin Mars	6.3.25	800

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

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

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

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

envirotech

Released to Imaging: 7/8/2025 2:53:30 PM
Received by OCD: 7/7/2025 4:01:28 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E506008	1D 2D 3D Std	NM CO UT TX
Project: Dee Osborne 123 Well Pad	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			
8:50	5/30/2025	S	1	FS367-0'		11						X					
8:52	5/30/2025	S	1	FS368-0'		12						X					
8:48	5/30/2025	S	1	FS371-0'		13						X					
8:46	5/30/2025	S	1	FS372-0'		14						X					
8:44	5/30/2025	S	1	FS384-0'		15						X					
8:41	5/30/2025	S	1	FS387-0'		16						X					

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

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

Sampled by: Aboubakar Kone, OA

	Date	Time		Date	Time
Relinquished by: (Signature)	6/2/25	7:11	Received by: (Signature) Michelle Gonzales	6.2.25	0711
Relinquished by: (Signature) Michelle Gonzales	6.2.25	1845	Received by: (Signature)	6.2.25	1845
Relinquished by: (Signature)	6.2.25	2400	Received by: (Signature) Caitlin Mars	6.3.25	800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 6/3/2025 1:00:32PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	06/03/25 08:00	Work Order ID:	E506008
Phone:	(972) 371-5200	Date Logged In:	06/02/25 15:12	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/09/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Project Dee Osborne 123 Well Pad has been separated into 2 reports. WO are E506007 & E506008.

Client Instruction

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

Date

envirotech Inc.

ENSOLUM

APPENDIX E

NMOCD Correspondence

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 399085
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Dee Osborne 123 Well Pad
Date Release Discovered	11/04/2024
Surface Owner	Private

Incident Details *Please answer all the questions in this group.*	
Incident Type	Oil 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	Cause: Equipment Failure | Flow Line - Production | Crude Oil | Released: 13 BBL | Recovered: 0 BBL | Lost: 13 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
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.*

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 399085
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 399085
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☑	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☑	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☑	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.
☑	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☑	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 399085

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 399085
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	11/4/2024

Impacted Soil
Saturated Soil (inches)
0.055
Area (sq. ft.)
99452
Standing fluids
inches of standing fluid
0
bbl estimate of standing fluids
barrels recovered (if known)
0
Soil type
pad caliche
Spill type
oil(crude)
Barrel estimate in soil
10.8
Barrel estimate (standing fluids/ recovered+in soil)
10.8

Impacted Soil
Saturated Soil (inches)
0.015
Area (sq. ft.)
54386
Standing fluids
inches of standing fluid
0
bbl estimate of standing fluids
barrels recovered (if known)
0
Soil type
Silty-sand
Spill type
oil(crude)
Barrel estimate in soil
1.9
Barrel estimate (standing fluids/ recovered+in soil)
1.9

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 400257

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400257
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Dee Osborne 123 Well Pad
Date Release Discovered	11/04/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure | Flow Line - Production | Crude Oil | Released: 13 BBL | Recovered: 0 BBL | Lost: 13 BBL.
Produced Water Released (bbls) Details	*Not answered.*
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.*

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400257
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 400257
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 400257
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/12/2024

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 417202

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417202
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Dee Osborne 123 Well Pad**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	269
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/08/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417202
	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.	1/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 417212

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417212
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Dee Osborne 123 Well Pad**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	269
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/09/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417212
	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.	1/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417218
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Dee Osborne 123 Well Pad**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	269
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/10/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417218
	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.	1/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 417223

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417223
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Dee Osborne 123 Well Pad**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	269
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/13/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417223
	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.	1/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 417228

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417228
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Dee Osborne 123 Well Pad**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	269
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/14/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417228
	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.	1/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 417230

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417230
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Dee Osborne 123 Well Pad**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	269
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/15/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417230
	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.	1/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 417235

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417235
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Dee Osborne 123 Well Pad**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	269
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/16/2024
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417235
	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.	1/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 417239

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417239
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Dee Osborne 123 Well Pad**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	269
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Jimmy Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 417239
	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.	1/6/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 440881

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440881
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	266
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/12/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440881
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/10/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 440883

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440883
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	266
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440883
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/10/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 440884

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440884
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	266
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/14/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 440884
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/10/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 440889

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440889
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	266
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/17/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440889
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/10/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 440891

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440891
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	266
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/18/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440891
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/10/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 440894

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440894
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	266
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/19/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 440894
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/10/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 443000

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 443000
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	266
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/20/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 443000

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 443000
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/17/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 443007

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 443007
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	106,042
What is the estimated number of samples that will be gathered	266
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/21/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Isreal Estrella (575) 291-9537
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 443007

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 443007
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/17/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 447711

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 447711
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,600
What is the estimated number of samples that will be gathered	19
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/07/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 447711
	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.	4/1/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 447715

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 447715
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	7,600
What is the estimated number of samples that will be gathered	19
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/08/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 447715
	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.	4/1/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 456376

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 456376
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/30/2025
Time sampling will commence	05:00 PM
Please provide any information necessary for observers to contact samplers	Chad Hamilton (940) 923-0072
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 456376

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 456376
	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.	4/28/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 456378

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 456378
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/30/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Chad Hamilton (940) 923-0072
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 456378

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 456378
	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.	4/28/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 466543

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 466543
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 30-025-50102**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-50102] DEE OSBORNE 1930 STATE COM #123H**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	54,386
What is the estimated number of samples that will be gathered	136
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/27/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar Kone (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 466543
	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.	5/22/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 466550

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 466550
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 30-025-50102**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-50102] DEE OSBORNE 1930 STATE COM #123H**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	54,386
What is the estimated number of samples that will be gathered	136
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/28/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar Kone (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 466550
	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.	5/22/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 466554

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 466554
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 30-025-50102**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-50102] DEE OSBORNE 1930 STATE COM #123H**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	54,386
What is the estimated number of samples that will be gathered	136
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/29/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar Kone (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 466554
	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.	5/22/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 466559

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 466559
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 30-025-50102**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-025-50102] DEE OSBORNE 1930 STATE COM #123H**

Location of Release Source	
Site Name	**DEE OSBORNE 123 WELL PAD**
Date Release Discovered	**11/04/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	54,386
What is the estimated number of samples that will be gathered	136
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/30/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar Kone (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.47069,-103.40375

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 466559

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 466559
	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.	5/22/2025

From: Wells, Shelly, EMNRD
To: Ashley Giovengo
Cc: Bratcher, Michael, EMNRD; Jason Touchet; Arsenio Jones; Cole Burton; Chad Hamilton
Subject: RE: [EXTERNAL] Confirmation Sampling Variance - Dee Osborne 123 Well Pad - Incident Number nAPP2430949175
Date: Friday, January 3, 2025 2:13:25 PM
Attachments: image001.png
image002.png
image003.png

[**EXTERNAL EMAIL**]

Good afternoon Ashley,

A sampling variance is approved to collect base samples from the excavation at a frequency of every 400 square feet and sidewall samples every 200 square feet for NAPP2430949175 DEE OSBORNE 123 WELL PAD. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Friday, January 3, 2025 1:41 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>
Subject: [EXTERNAL] Confirmation Sampling Variance - Dee Osborne 123 Well Pad - Incident Number nAPP2430949175

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Dee Osborne 123 Well Pad (Site) (Incident Number nAPP2430949175). On November 04, 2024, a leak

resulted in the release of approximately 13 barrels (bbls) of crude oil onto the caliche pad; 0 bbls were recovered from the release area. The release impacted an area approximately 106,041 square feet (sq. ft.) in size on Private Land. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, CP-01848 POD3, located approximately 1.48 miles northwest of the Site. The well had a reported depth to groundwater of 70 feet below ground surface (bgs) and a total depth of 87 feet bgs. A desktop review for potential site receptors has been completed for this Site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is a freshwater emergent wetland located approximately 0.22 miles west of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 100 mg/kg total TPH and 600 mg/kg chloride.

Lateral and vertical delineation sampling has been completed in accordance with the strictest Closure Criteria per NMOCD Table I (see Figure 2). Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador is scheduled to begin the excavation/reclamation of the release area on January 08, 2024, and intends to collect confirmation samples following the removal of waste-containing soil from the excavation extent. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a reported depth to groundwater greater than 55 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2430949175).

Thanks,

Ashley Giovengo
Senior Scientist
575-988-0055
Ensolum, LLC
“Your authenticity is your superpower.” – Unknown

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 482261
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2430949175**
Incident Name	**NAPP2430949175 DEE OSBORNE 123 WELL PAD @ 30-025-50102**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-025-50102] DEE OSBORNE 1930 STATE COM #123H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	DEE OSBORNE 123 WELL PAD
Date Release Discovered	11/04/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure | Flow Line - Production | Crude Oil | Released: 13 BBL | Recovered: 0 BBL | Lost: 13 BBL.
Produced Water Released (bbls) Details	*Not answered.*
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.*

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 482261
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/07/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 482261
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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 1000 (ft.) and ½ (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	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	275
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	477
GRO+DRO (EPA SW-846 Method 8015M)	306
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	03/12/2025
On what date will (or did) the final sampling or liner inspection occur	05/30/2025
On what date will (or was) the remediation complete(d)	04/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	106042
What is the estimated volume (in cubic yards) that will be reclaimed	4130
What is the estimated surface area (in square feet) that will be remediated	106042
What is the estimated volume (in cubic yards) that will be remediated	4130
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 482261
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land, Hobbs NM
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/07/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 482261
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 482261
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**466559**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**05/30/2025**
What was the (estimated) number of samples that were to be gathered	**136**
What was the sampling surface area in square feet	**54386**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	106042
What was the total volume (cubic yards) remediated	4130
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	106042
What was the total volume (in cubic yards) reclaimed	4130
Summarize any additional remediation activities not included by answers (above)	N/A

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/07/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 482261
	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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 482261

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 482261
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/8/2025