ENSOLUM

November 14, 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
Big Moose Test Separator Pad
Incident Number nAPP2525153709
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Big Moose Test Separator 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 a release of crude oil onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2525153709.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 12, Township 21 South, Range 32 East, in Lea County, New Mexico (32.50035°, -103.63604°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On September 08, 2025, a 4-inch trunk line developed a pinhole leak which resulted in the release of approximately 83 barrels (bbls) of crude oil onto the caliche well pad; 53 bbls of crude oil were recovered, 30 bbls were unrecoverable. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) on September 8, 2025, and submitted a Release Notification Form C-141 (Form C-141) on September 9, 2025. The release was assigned Incident Number nAPP2525153709.

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). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, CP-1884 POD1, located on the northwest corner of the well pad. Soil boring CP-1884 POD1 was completed by Atkins Engineering Associates, Inc. on September 8, 2021,

for the purpose of establishing depth to groundwater at the Site. The well was advanced to a total depth of 55 feet bgs and reported as a dry hole; therefore, depth to groundwater is greater than 55 feet below ground surface (bgs). There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation that 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 and log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 0.51 miles south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On September 10, 2025, through September 12, 2025, Ensolum personnel were onsite to evaluate the release extent based on information provided on the Form C-141 and visual observations. Ensolum personnel collected 16 preliminary assessment soil samples (SS01 through SS16) were collected around the release extent at ground surface and 1-foot bgs to assess the lateral extent of the release. Ensolum personnel advanced six boreholes (BH01 through BH06) via hand auger within the release extent to assess the vertical extent of the release on-pad. Boreholes BH01 through BH03 and BH05 through BH06 were advanced to a depth of 1-foot bgs, and borehole BH04 was advanced to a depth of 3 feet bgs. The discrete delineation soil samples from each borehole were field screened for chloride and TPH utilizing Hach® Chloride Test Strips and a PetroFLAG® Soil Analyzer System, respectively.

The release extent, preliminary soil sample, and borehole soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B. Field observations for the boreholes were logged on a lithologic/soil sampling log, which is 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.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for assessment soil sample SS01 through SS16 collected at ground surface and 1-foot bgs were in compliance with the Site Closure Criteria and with the strictest Closure Criteria. Laboratory analytical results from boreholes BH01 through BH06 indicated that concentrations of TPH and chloride exceeded the Site Closure Criteria at and just beneath ground surface. Laboratory analytical results for Boreholes (BH01 through BH03) and (BH05 through BH06) indicated that COC's were all in compliance with the Site Closure Criteria and with the strictest Closure Criteria at a terminal depth of 1-foot bgs. Laboratory analytical results for borehole BH04 indicated that COC's were in compliance with the Site Closure Criteria and with the strictest Closure Criteria at a terminal depth of 3 feet bgs. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix D.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITES

Beginning on October 17, 2025, impacted soil was excavated from the release extent as indicated by visible staining, field screening activities, and laboratory analytical results from delineation soil sampling activities. A surface scape of the impacted area on-pad was completed with a hydrovac, backhoe, hand crew, and transport vehicles. To direct excavation activities, Ensolum personnel screened soils for chloride and TPH as previously described.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing at least 400 square feet from the floor of the scraped area on-pad. A confirmation soil sampling variance was submitted to the NMOCD on October 13, 2025, and was approved by Mr. Scott Rodgers on October 14, 2025 (Appendix E). The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Excavation floor samples (FS01 through FS54) were collected from the floor of the excavation area at depths ranging from ground surface to 1-foot bgs; Excavation sidewall soil samples (SW01 through SW03) were collected from the sides of the excavation at depth ranging from ground surface and 1-foot 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 20,358 square feet. A total of approximately 480 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Disposal Facility in Carlsbad, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation floor soil samples (FS01 and FS54) indicated all COC concentrations were compliant with the Site Closure Criteria at depths ranging from ground surface to 1-foot bgs. Laboratory analytical results for excavation sidewall soil samples (SW01 through SW03) indicated all COC concentrations were compliant with the Site Closure Criteria and with the strictest Closure Criteria at depths ranging from ground surface to 1-foot bgs. Laboratory analytical results are summarized in Tables 2 and 3 and the complete laboratory analytical reports are included as Appendix D.

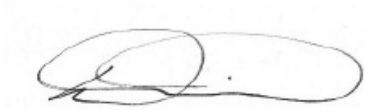
CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the September 2025 release of crude oil. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required.

Excavation of impacted soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 55 feet bgs and no other sensitive receptors were identified near the release extent. Matador believes these remedial actions are protective of human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Number nAPP2525153709.

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

Sincerely,
Ensolum, LLC



Ashley Giovengo
Associate Principal

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

Appendices:

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

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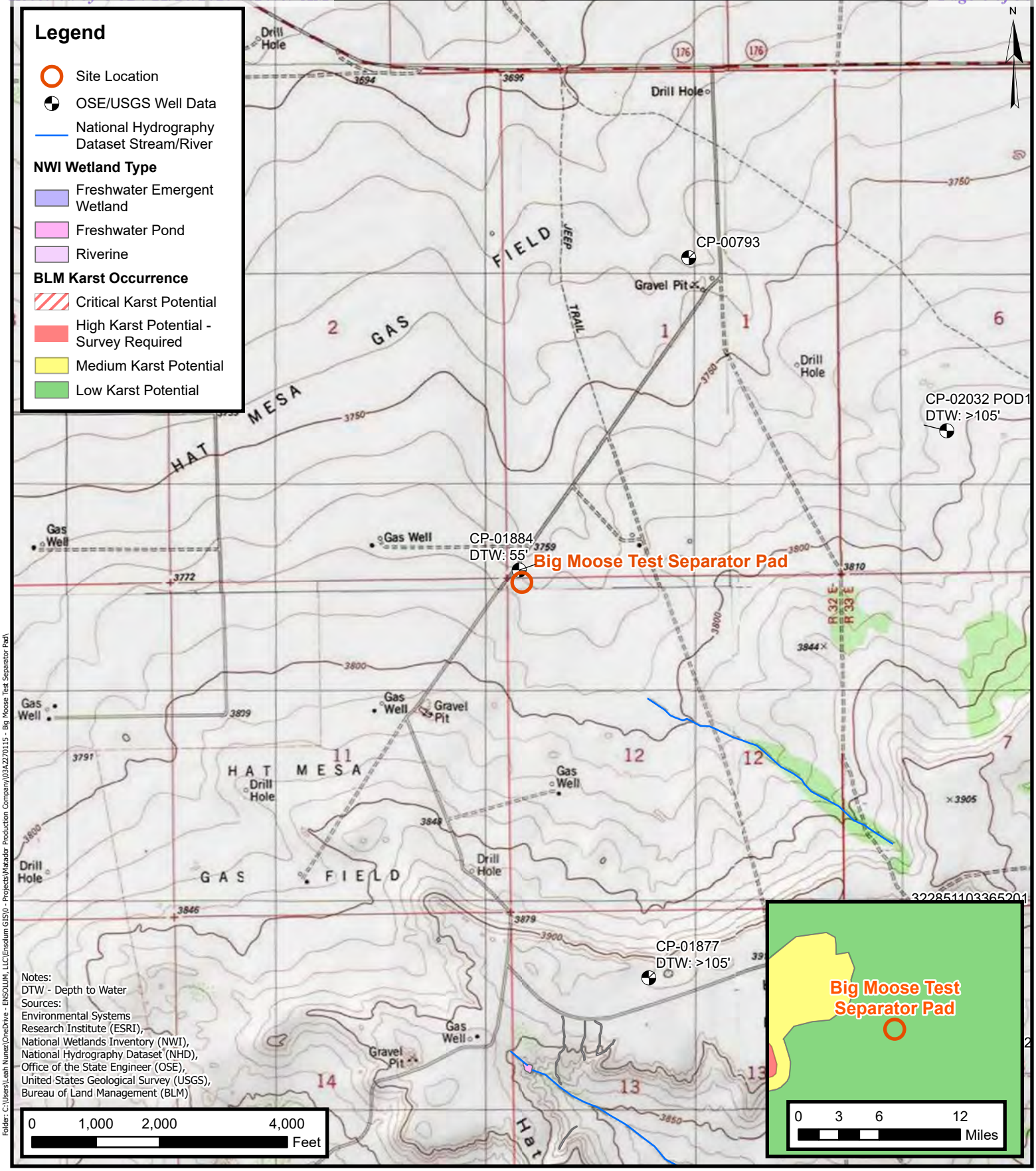
FIGURES



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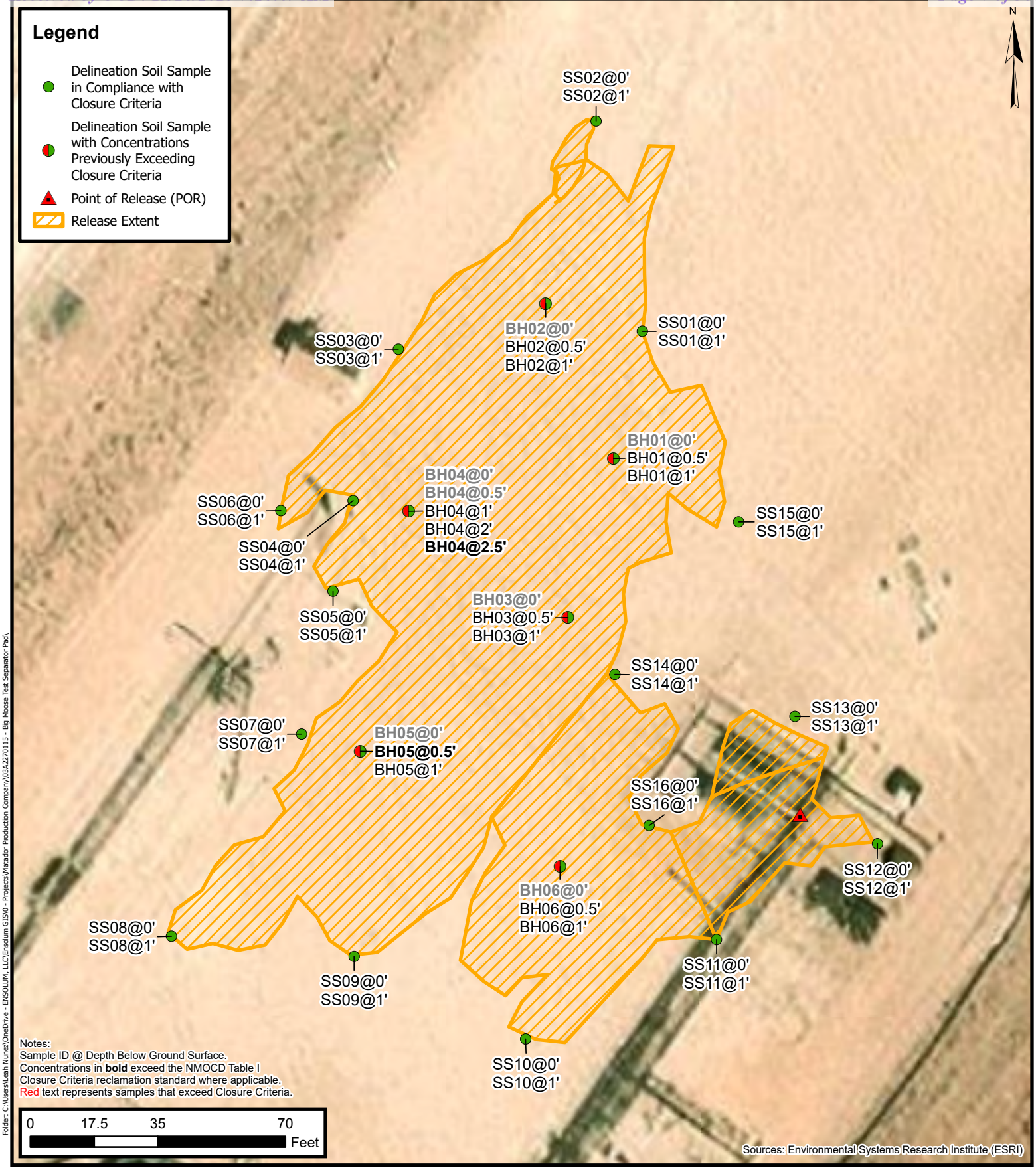
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Matador Production Company
Big Moose Test Separator Pad
Incident Number: nAPP2525153709
Unit M, Section 12, T 21S, R 32E
Lea County, New Mexico

FIGURE 1



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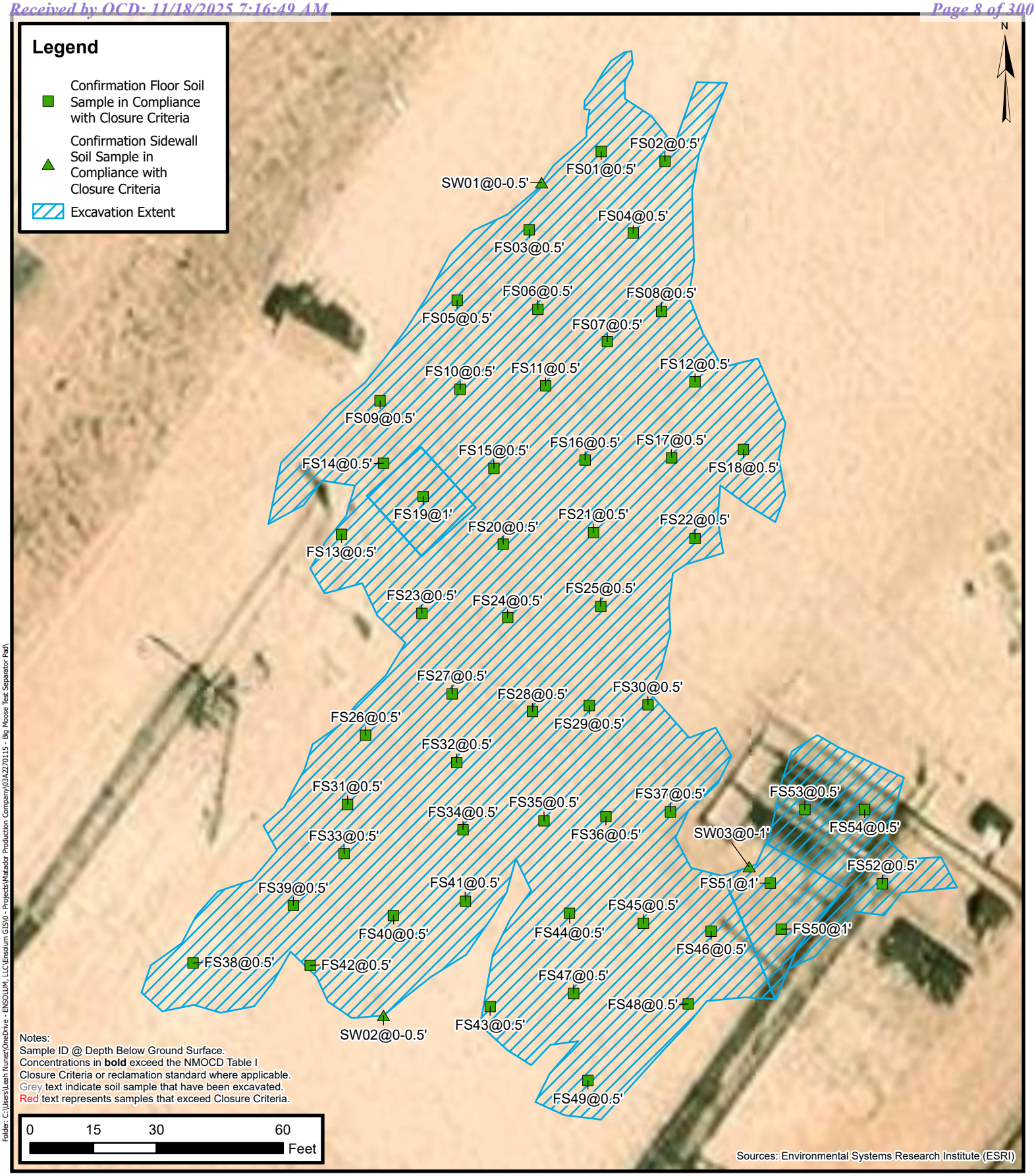
Delineation Soil Sample Locations

Matador Production Company
Big Moose Test Separator Pad
Incident Number: nAPP2525153709
Unit M, Section 12, T 21S, R 32E
Lea County, New Mexico

FIGURE 2



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Confirmation Soil Sample Location

Matador Production Company
Big Moose Test Separator Pad
Incident Number: nAPP2525153709
Unit M, Section 12, T 21S, R 32E
Lea County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Big Moose Test Separator 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 Strictest Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**10,000**
Delineation Soil Samples										
SS01	9/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS01	9/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	9/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	9/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	9/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	9/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	9/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	9/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	9/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	9/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	9/10/2025	0	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	<20.0
SS06	9/10/2025	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	<20.0
SS07	9/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	9/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	9/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	9/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS09	9/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.1
SS09	9/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

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mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

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Grey text represents samples that have been excavated

Red *text represents samples that exceed expected Closure Criteria*

"<": 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.*

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Big Moose Test Separator 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 Strictest Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**10,000**
Delineation Soil Samples										
SS10	9/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS10	9/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	9/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	9/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS12	9/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	118
SS12	9/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS13	9/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS13	9/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.4
SS14	9/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS14	9/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS15	9/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS15	9/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS16	9/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS16	9/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.8
BH01	9/12/2025	0	0.0424	13.2	117	5,890	1,840	**6,007**	**7,847**	**7,530**
BH01	9/12/2025	0.5	<0.0250	<0.0500	<20.0	25.5	74.0	25.5	100	419
BH01	9/12/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.6
BH02	9/12/2025	0	<0.0250	4.14	34.2	35,400	17,100	**35,434**	**52,534**	301
BH02	9/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.0
BH02	9/12/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.4

Notes:

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Grey text represents samples that have been excavated

Red *text represents samples that exceed expected Closure Criteria*

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
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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 Strictest Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**10,000**
Delineation Soil Samples										
BH03	9/12/2025	0	<0.0250	4.52	66.6	31,000	17,300	**31,067**	**48,367**	**58,400**
BH03	9/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.4
BH03	9/12/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	9/12/2025	0	<0.0250	9.37	133	41,500	19,100	**41,633**	**60,733**	66.7
BH04	9/12/2025	0.5	1.25	93.8	1,160	23,600	6,690	**24,760**	**31,450**	<20.0
BH04	9/12/2025	1	<0.0250	0.226	<20.0	30.00	60.7	30.0	90.7	<20.0
BH04	9/12/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	9/12/2025	2.5	<0.0250	0.340	<20.0	258	113	258	**371**	25.1
BH04	10/21/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05	9/12/2025	0	<0.0250	0.901	<20.0	38,700	21,200	**38,700**	**59,900**	**40,500**
BH05	9/12/2025	0.5	<0.0250	0.200	<20.0	288	101	288	**389**	143
BH05	9/12/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH06	9/12/2025	0	0.120	7.48	74.6	6,100	2,490.0	**6,175**	**8,665**	**13,400**
BH06	9/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH06	9/12/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

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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.*

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TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Big Moose Test Separator 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS01	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.3
FS02	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.7
FS03	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS04	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.2
FS05	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS06	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS07	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS08	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS09	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS10	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS11	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.5
FS12	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS13	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS14	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,760**
FS15	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS16	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,250**
FS17	10/21/2025	0.8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS18	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	367
FS19	10/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.2
FS20	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,940**
FS21	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,750**

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

Red *text represents samples that exceed expected Closure Criteria*

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

* 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 - Continued
Big Moose Test Separator 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS22	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	356
FS23	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,930**
FS24	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,880**
FS25	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,740**
FS26	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.2
FS27	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,670**
FS28	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,840**
FS29	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,710**
FS30	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,660**
FS31	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.4
FS32	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,790**
FS33	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS34	10/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,480**
FS35	10/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS36	10/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,150**
FS37	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,490**
FS38	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS39	10/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,430**
FS40	10/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,410**
FS41	10/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS42	10/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**2,580**

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

* 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 - Continued
Big Moose Test Separator 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**	**1,000**	**2,500**	**10,000**
Excavation Floor Soil Samples										
FS43	10/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS44	10/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS45	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	88.7
FS46	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.6
FS47	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.9
FS48	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	89.6
FS49	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.2
FS50	10/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	68.5
FS51	10/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.4
FS52	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	364
FS53	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,350**
FS54	10/20/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,410**

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

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NMAC: New Mexico Administrative Code

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Red *text represents samples that exceed expected Closure Criteria*

"<": 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
Big Moose Test Separator 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**	**1,000**	**2,500**	**10,000**
Sidewall Soil Samples										
SW01	10/21/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW02	10/21/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW03	10/21/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.3

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

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NMAC: New Mexico Administrative Code

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"<": 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 Record and Log

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).
POD1 (BH-01)	n/a	CP-1884

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Ascent Energy	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
P.O Box 270983	Littleton	CO	80127

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	30	3.18	N
	LONGITUDE	103	38	10.22	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

SW SW SW Sec. 01 T21S R32E

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)
09/08/2021	09/08/2021	temporary well material	55	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

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)
0	55	±6.5	Boring- HSA	--	--	--	--

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

RECEIVED SEP 23 2021 4:01

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

FILE NO. CP-1884	POD NO. 1	TRN NO. 699871	
LOCATION 21S-32E-01 333		WELL TAG ID NO. N/A	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	9	9	Sand, Medium/fine, with some caliche, Red	Y ✓ N	
9	14	5	Sand, Medium/fine, with some caliche, Brown	Y ✓ N	
14	24	10	Caliche with Medium/fine sannd, Off white	Y ✓ N	
24	34	10	Sand, Medium/fine, with some caliche, Brown	Y ✓ N	
34	55	21	Caliche with Medium/fine sannd, Off white	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ 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: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.

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

Shane Eldridge, Cameron Pruitt and Carmelo Trevino

OSE DII SEP 28 2021 PM3:01

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 — 09/27/2021

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

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

FILE NO. CP-1884	POD NO. 1	TRN NO. 699871	
LOCATION 21S-32E-01 333		WELL TAG ID NO. N/A	PAGE 2 OF 2

ENSOLUM

APPENDIX B

Photographic Log

ENSOLUM

Photographic Log
Matador Production Company
Big Moose Test Separator Pad
nAPP2525153709

Photograph 1 Date: 09/08/2025
Description: Initial Release
View: Northwest

Photograph 2 Date: 09/08/2025
Description: Initial Release
View: South

Photograph 3 Date: 09/08/2025
Description: Initial Release
View: Northwest

Photograph 4 Date: 09/08/2025
Description: Initial Release
View: Northeast

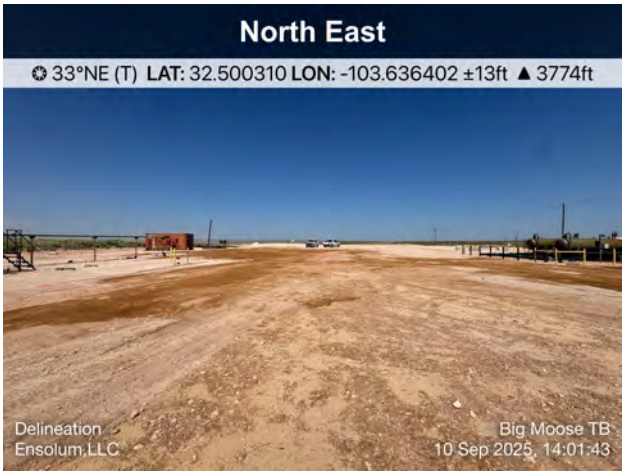
ENSOLUM

Photographic Log
Matador Production Company
Big Moose Test Separator Pad
nAPP2525153709

Photograph 5 Date: 09/10/2025
Description: Delineation Soil Sampling
View: Southeast

Photograph 6 Date: 09/10/2025
Description: Delineation Soil Sampling
View: Southwest

Photograph 7 Date: 09/10/2025
Description: Delineation Soil Sampling
View: Southwest



Photograph 8 Date: 09/10/2025
Description: Delineation Soil Sampling
View: Northeast

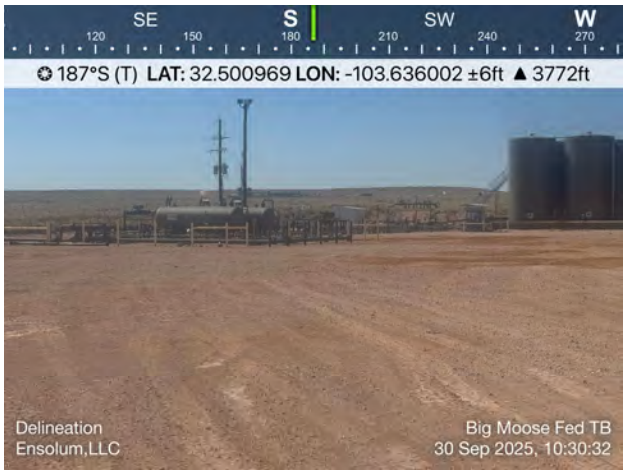
ENSOLUM

Photographic Log
Matador Production Company
Big Moose Test Separator Pad
nAPP2525153709

Photograph 9 Date: 09/12/2025
Description: Delineation Soil Sampling
View: Southwest

Photograph 10 Date: 09/12/2025
Description: Delineation Soil Sampling
View: Southeast

Photograph 11 Date: 09/30/2025
Description: Delineation Soil Sampling
View: Southwest



Photograph 12 Date: 09/30/2025
Description: Delineation Soil Sampling
View: South

ENSOLUM

Photographic Log
Matador Production Company
Big Moose Test Separator Pad
nAPP2525153709

Photograph 13 Date: 10/16/2025
Description: Excavation Activities
View: West

Photograph 14 Date: 10/16/2025
Description: Excavation Activities
View: Southeast

Photograph 15 Date: 10/17/2025
Description: Excavation Activities
View: Southwest

Photograph 16 Date: 10/17/2025
Description: Excavation Activities
View: East

ENSOLUM

Photographic Log
Matador Production Company
Big Moose Test Separator Pad
nAPP2525153709

Photograph 17 Date: 10/20/2025
Description: Excavation Activities
View: Northwest

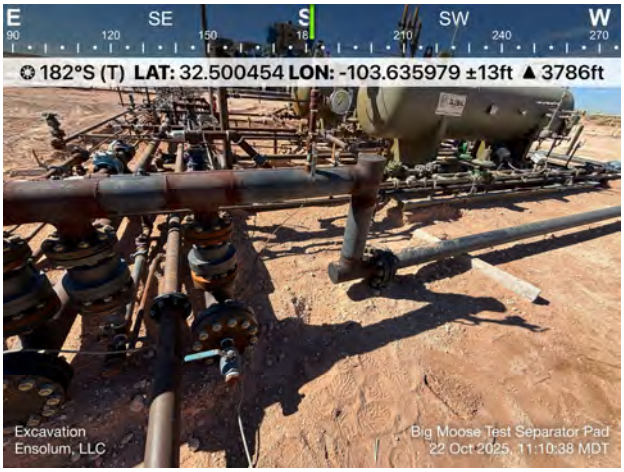
Photograph 18 Date: 10/20/2025
Description: Excavation Activities
View: Northwest

Photograph 19 Date: 10/20/2025
Description: Excavation Activities
View: East

Photograph 20 Date: 10/21/2025
Description: Excavation Activities
View: North

ENSOLUM

Photographic Log
Matador Production Company
Big Moose Test Separator Pad
nAPP2525153709



Photograph 21 Date: 10/22/2025
Description: Excavation Activities
View: South

Photograph 22 Date: 10/22/2025
Description: Excavation Activities
View: Southwest

Photograph 23 Date: 10/22/2025
Description: Excavation Activities
View: Southwest

Photograph 24 Date: 10/22/2025
Description: Excavation Activities
View: Northeast

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: BH01	Date: 09/12/2025
	Site Name: Big Moose TB	
	Incident Number: nAPP252153709	
	Job Number: 03A2270115	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Hand Auger
Coordinates: 32.50035,-103.63604	Hole Diameter: 6"	Total Depth: 1'

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

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0	0 0.3	CCHE	Caliche pad material; heavily stained; petroleum-like odor strong.
M			N	BH01	0.5	0.5	SM	Silty sand; moist; dark brown; no staining or petroleum-like odor.
M	ND	9	N	BH01	1	1		

Total Depth = 1' BGS

ENSOLUM	Sample Name: BH02	Date: 09/12/2025
	Site Name: Big Moose TB	
	Incident Number: nAPP252153709	
	Job Number: 03A2270115	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Hand Auger
Coordinates: 32.50035,-103.63604	Hole Diameter: 6"	Total Depth: 1'

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

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH02	0	0 0.3'	CCHE	Caliche pad material; heavily stained; petroleum-like odor strong.
M			N	BH02	0.5		SM	Silty sand; moist; light to dark brown; no staining or petroleum-like odor.
M	ND	15	N	BH02	1	1		

Total Depth = 1' BGS

ENSOLUM

	Sample Name: BH03	Date: 09/12/2025
	Site Name: Big Moose TB	
	Incident Number: nAPP252153709	
	Job Number: 03A2270115	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Hand Auger
Coordinates: 32.50035,-103.63604	Hole Diameter: 6"	Total Depth: 1'

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

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH03	0	0 0.3'	CCHE	Caliche pad material; heavily stained; petroleum-like odor strong.
M			N	BH03	0.5		SM	Silty sand; moist; dark brown; no staining or petroleum-like odor.
M	ND	8	N	BH03	1	1		

Total Depth = 1' BGS

ENSOLUM	Sample Name: BH04	Date: 09/12/2025
	Site Name: Big Moose TB	
	Incident Number: nAPP252153709	
	Job Number: 03A2270115	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Hand Auger
Coordinates: 32.50035,-103.63604	Hole Diameter: 6"	Total Depth: 3'

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

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH04	0	0	CCHE	Caliche pad material; heavily stained; petroleum-like odor strong.
						0.3'		
M			N	BH04	0.5		SM	Silty sand; moist; dark brown; mild petroleum-like odor; no staining observed.
M			N	BH04	1	1		
M			N	BH04	2	2		
M			N	BH04	2.5		CCHE	Caliche, white to light tan in color, hard cemented carbonate material containing scattered zones of softer, less indurated young calichem no staining or odor.
D	ND	45	N	BH04	3	3		

Total Depth = 3' BGS

ENSOLUM

	Sample Name: BH05	Date: 09/12/2025
	Site Name: Big Moose TB	
	Incident Number: nAPP252153709	
	Job Number: 03A2270115	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Hand Auger
Coordinates: 32.50035,-103.63604	Hole Diameter: 6"	Total Depth: 1'

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

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH05	0	0 0.3'	CCHE	Caliche pad material; heavily stained; petroleum-like odor strong.
M			N	BH05	0.5		SM	Silty sand; moist; light to dark brown; no staining or petroleum-like odor.
M	ND	16	N	BH05	1	1		

Total Depth = 1' BGS

ENSOLUM

	Sample Name: BH06	Date: 09/12/2025
	Site Name: Big Moose TB	
	Incident Number: nAPP252153709	
	Job Number: 03A2270115	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Hand Auger
Coordinates: 32.50035,-103.63604	Hole Diameter: 6"	Total Depth: 1'

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

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH06	0	0 0.3'	CCHE	Caliche pad material; heavily stained; petroleum-like odor strong.
M			N	BH06	0.5		SM	Silty sand; moist; light to dark brown; no staining or petroleum-like odor.
M	ND	14	N	BH06	1	1		

Total Depth = 1' BGS

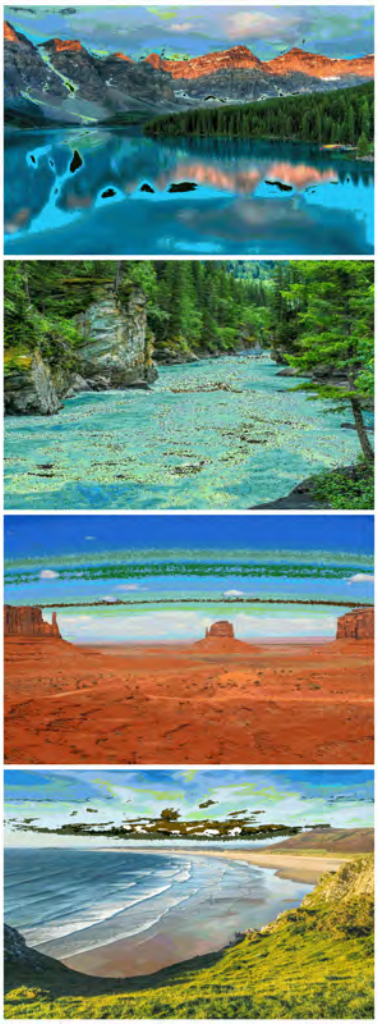
ENSOLUM

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:	Big Moose Test Separator Pad
Work Order:	E509128
Job Number:	23003-0002
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/18/25

Date Reported: 9/18/25

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

Project Name: Big Moose Test Separator Pad
Workorder: E509128
Date Received: 9/12/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 7:30:00AM, under the Project Name: Big Moose Test Separator Pad.

The analytical test results summarized in this report with the Project Name: Big Moose Test Separator 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/18/25 10:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E509128-01A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS01-1'	E509128-02A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS02-0'	E509128-03A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS02-1'	E509128-04A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS03-0'	E509128-05A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS03-1'	E509128-06A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS04-0'	E509128-07A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS04-1'	E509128-08A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS05-0'	E509128-09A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS05-1'	E509128-10A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS06-0'	E509128-11A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.
SS06-1'	E509128-12A	Soil	09/10/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS01-0'

E509128-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS01-1'

E509128-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*104 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*95.6 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS02-0'

E509128-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*95.1 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS02-1'

E509128-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*97.8 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS03-0'

E509128-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS03-1'

E509128-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*95.2 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS04-0'

E509128-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS04-1'

E509128-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*95.6 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS05-0'

E509128-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*97.1 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS05-1'

E509128-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*96.5 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS06-0'

E509128-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*99.4 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

SS06-1'

E509128-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Benzene	ND	0.0250	1	09/12/25	09/12/25	
Ethylbenzene	ND	0.0250	1	09/12/25	09/12/25	
Toluene	ND	0.0250	1	09/12/25	09/12/25	
o-Xylene	ND	0.0250	1	09/12/25	09/12/25	
p,m-Xylene	ND	0.0500	1	09/12/25	09/12/25	
Total Xylenes	ND	0.0250	1	09/12/25	09/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2537138
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/25	09/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*09/12/25*	*09/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2537129
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/25	09/15/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/12/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2537142
Chloride	ND	20.0	1	09/12/25	09/12/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

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 (2537138-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
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 (2537138-BS1)									Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	4.40	0.0250	5.00		88.0	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.4	70-130			
Toluene	4.50	0.0250	5.00		90.0	70-130			
o-Xylene	4.54	0.0250	5.00		90.8	70-130			
p,m-Xylene	9.17	0.0500	10.0		91.7	70-130			
Total Xylenes	13.7	0.0250	15.0		91.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.55*		*8.00*		*94.4*	*70-130*			
Matrix Spike (2537138-MS1)				**Source: E509128-02**					Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	4.73	0.0250	5.00	ND	94.6	70-130			
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	70-130			
Toluene	4.82	0.0250	5.00	ND	96.4	70-130			
o-Xylene	4.83	0.0250	5.00	ND	96.6	70-130			
p,m-Xylene	9.78	0.0500	10.0	ND	97.8	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike Dup (2537138-MSD1)				**Source: E509128-02**					Prepared: 09/12/25 Analyzed: 09/12/25
Benzene	4.83	0.0250	5.00	ND	96.5	70-130	1.97	27	
Ethylbenzene	4.94	0.0250	5.00	ND	98.8	70-130	2.46	26	
Toluene	4.92	0.0250	5.00	ND	98.4	70-130	2.09	20	
o-Xylene	4.95	0.0250	5.00	ND	99.1	70-130	2.56	25	
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130	2.49	23	
Total Xylenes	15.0	0.0250	15.0	ND	99.8	70-130	2.51	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.74*		*8.00*		*96.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

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 (2537138-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.43*		*8.00*		*105*	*70-130*			
LCS (2537138-BS2)									Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.58*		*8.00*		*107*	*70-130*			
Matrix Spike (2537138-MS2)				**Source: E509128-02**					Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	56.2	20.0	50.0	ND	112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.47*		*8.00*		*106*	*70-130*			
Matrix Spike Dup (2537138-MSD2)				**Source: E509128-02**					Prepared: 09/12/25 Analyzed: 09/12/25
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	3.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.38*		*8.00*		*105*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

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 (2537129-BLK1)									Prepared: 09/12/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.4*		*50.0*		*94.8*	*61-141*			
LCS (2537129-BS1)									Prepared: 09/12/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	273	25.0	250		109	66-144			
Surrogate: n-Nonane	*48.0*		*50.0*		*95.9*	*61-141*			
Matrix Spike (2537129-MS1)				**Source: E509128-05**					Prepared: 09/12/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	*46.8*		*50.0*		*93.5*	*61-141*			
Matrix Spike Dup (2537129-MSD1)				**Source: E509128-05**					Prepared: 09/12/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	56-156	0.126	20	
Surrogate: n-Nonane	*48.8*		*50.0*		*97.6*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/18/2025 10:46:16AM

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 (2537142-BLK1)									Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	ND	20.0							
LCS (2537142-BS1)									Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2537142-MS1)				**Source: E509128-03**					Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2537142-MSD1)				**Source: E509128-03**					Prepared: 09/12/25 Analyzed: 09/12/25
Chloride	253	20.0	250	ND	101	80-120	0.412	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:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/18/25 10:46

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.

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E509128	1D 2D 3D Std	NM CO UT TX
Project Name: Big Moose Test Separator 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				

Analysis and Method: 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

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	BGDOC - NM	Sample Temp	Remarks
1044	09/10/2025	S	1	SS01-0'		1	X	2.2	
1111	09/10/2025	S	1	SS01-1'		2	X	2.8	
1049	09/10/2025	S	1	SS02-0'		3	X	3.2	
1115	09/10/2025	S	1	SS02-1'		4	X	3.1	
1055	09/10/2025	S	1	SS03-0'		5	X	2.4	
1120	09/10/2025	S	1	SS03-1'		6	X	2.0	
1226	09/10/2025	S	1	SS04-0'		7	X	2.6	
1246	09/10/2025	S	1	SS04-1'		8	X	2.6	
1229	09/10/2025	S	1	SS05-0'		9	X	3.4	
1252	09/10/2025	S	1	SS05-1'		10	X	3.0	

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: Eric Plugge

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Eric Plugge	09-11-25	1200	Noe Soto	9-11-25	1200
Noe Soto	9-11-25	1600	Andrew Musso	9.11.25	1730
Andrew Musso	9.11.25	2400	Cath Mar	9.12.25	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: (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.

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Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E509128	Job Number 23C03-0002	1D 2D 3D Std: X	NM: X CO UT TX
Project Name: Big Moose Test Separator 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
1231	09/10/2025	S	1	SS06-0'		11									X			2.8	
1256	09/10/2025	S	1	SS06-1'		12									X			3.2	
	09/10/2025	S	1												X				
	09/10/2025	S	1												X				
	09/10/2025	S	1												X				
	09/10/2025	S	1												X				
	09/10/2025	S	1												X				
	09/10/2025	S	1												X				
	09/10/2025	S	1												X				
	09/10/2025	S	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, 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: Eric Plugge

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	09-11-25	1200	Joe Sotelo	9-11-25	1200
Joe Sotelo	9-11-25	1600	Andrew Musso	9.11.25	1730
Andrew Musso	9.11.25	2400	Cait Ma	89.12.25	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: (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: 9/12/2025 12:36:48PM

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:	09/12/25 07:30	Work Order ID:	E509128
Phone:	(972) 371-5200	Date Logged In:	09/11/25 15:38	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/18/25 07:00 (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:	Big Moose Test Separator Pad
Work Order:	E509138
Job Number:	23003-0002
Received:	9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/25

Date Reported: 9/19/25

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

Project Name: Big Moose Test Separator Pad
Workorder: E509138
Date Received: 9/12/2025 11:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 11:00:00AM, under the Project Name: Big Moose Test Separator Pad.

The analytical test results summarized in this report with the Project Name: Big Moose Test Separator 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)
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ljarboe@envirotech-inc.com

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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/19/25 11:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07-0'	E509138-01A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS07-1'	E509138-02A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS08-0'	E509138-03A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS08-1'	E509138-04A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS09-0'	E509138-05A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS09-1'	E509138-06A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS10-0'	E509138-07A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS10-1'	E509138-08A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS11-0'	E509138-09A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS11-1'	E509138-10A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS12-0'	E509138-11A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS12-1'	E509138-12A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS13-0'	E509138-13A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS13-1'	E509138-14A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS14-0'	E509138-15A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS14-1'	E509138-16A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS15-0'	E509138-17A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
SS15-1'	E509138-18A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS07-0'

E509138-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS07-1'

E509138-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*97.2 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS08-0'

E509138-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*97.8 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS08-1'

E509138-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*99.2 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS09-0'

E509138-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	**67.1**	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS09-1'

E509138-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS10-0'

E509138-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS10-1'

E509138-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS11-0'

E509138-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS11-1'

E509138-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*97.6 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS12-0'

E509138-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/15/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*09/15/25*	*09/15/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	**118**	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS12-1'

E509138-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*95.2 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/15/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS13-0'

E509138-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS13-1'

E509138-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	**42.4**	20.0	1	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS14-0'

E509138-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS14-1'

E509138-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS15-0'

E509138-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

SS15-1'

E509138-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Benzene	ND	0.0250	1	09/15/25	09/15/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/15/25	
Toluene	ND	0.0250	1	09/15/25	09/15/25	
o-Xylene	ND	0.0250	1	09/15/25	09/15/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/15/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/15/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538012
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*09/15/25*	*09/15/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/15/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538016
Chloride	ND	20.0	1	09/15/25	09/16/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538012-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
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	*8.53*		*8.00*		*107*	*70-130*			
LCS (2538012-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	3.99	0.0250	5.00		79.7	70-130			
Ethylbenzene	4.01	0.0250	5.00		80.2	70-130			
Toluene	3.98	0.0250	5.00		79.6	70-130			
o-Xylene	4.09	0.0250	5.00		81.7	70-130			
p,m-Xylene	8.16	0.0500	10.0		81.6	70-130			
Total Xylenes	12.3	0.0250	15.0		81.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.89*		*8.00*		*111*	*70-130*			
Matrix Spike (2538012-MS1)				**Source: E509138-08**					Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	4.45	0.0250	5.00	ND	88.9	70-130			
Ethylbenzene	4.47	0.0250	5.00	ND	89.3	70-130			
Toluene	4.43	0.0250	5.00	ND	88.6	70-130			
o-Xylene	4.53	0.0250	5.00	ND	90.6	70-130			
p,m-Xylene	9.08	0.0500	10.0	ND	90.8	70-130			
Total Xylenes	13.6	0.0250	15.0	ND	90.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.77*		*8.00*		*110*	*70-130*			
Matrix Spike Dup (2538012-MSD1)				**Source: E509138-08**					Prepared: 09/15/25 Analyzed: 09/15/25
Benzene	4.49	0.0250	5.00	ND	89.7	70-130	0.867	27	
Ethylbenzene	4.51	0.0250	5.00	ND	90.3	70-130	1.04	26	
Toluene	4.47	0.0250	5.00	ND	89.3	70-130	0.814	20	
o-Xylene	4.61	0.0250	5.00	ND	92.2	70-130	1.66	25	
p,m-Xylene	9.17	0.0500	10.0	ND	91.7	70-130	1.02	23	
Total Xylenes	13.8	0.0250	15.0	ND	91.9	70-130	1.23	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.85*		*8.00*		*111*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538012-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			
LCS (2538012-BS2)									Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	57.5	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			
Matrix Spike (2538012-MS2)				**Source: E509138-08**					Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.4*	*70-130*			
Matrix Spike Dup (2538012-MSD2)				**Source: E509138-08**					Prepared: 09/15/25 Analyzed: 09/15/25
Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130	11.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

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 (2538003-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.5*		*50.0*		*99.1*	*61-141*			
LCS (2538003-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	263	25.0	250		105	66-144			
Surrogate: n-Nonane	*47.4*		*50.0*		*94.8*	*61-141*			
Matrix Spike (2538003-MS1)				**Source: E509138-03**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*61-141*			
Matrix Spike Dup (2538003-MSD1)				**Source: E509138-03**					Prepared: 09/15/25 Analyzed: 09/15/25
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156	0.0813	20	
Surrogate: n-Nonane	*49.9*		*50.0*		*99.9*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/19/2025 11:44:51AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538016-BLK1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	ND	20.0							
LCS (2538016-BS1)									Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2538016-MS1)				**Source: E509138-05**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	319	20.0	250	67.1	101	80-120			
Matrix Spike Dup (2538016-MSD1)				**Source: E509138-05**					Prepared: 09/15/25 Analyzed: 09/15/25
Chloride	316	20.0	250	67.1	99.5	80-120	1.02	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:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/19/25 11:44

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

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E509138	1D 2D 3D Std	NM CO UT TX
Project Name: Big Moose Test Separator 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
1158	09/11/2025	S	1	SS07-0'		1									X			3.4	
1200	09/11/2025	S	1	SS07-1'		2									X			3.8	
0925	09/11/2025	S	1	SS08-0'		3									X			4.0	
1006	09/11/2025	S	1	SS08-1'		4									X			4.2	
1249	09/11/2025	S	1	SS09-0'		5									X			4.0	
1317	09/11/2025	S	1	SS09-1'		6									X			3.6	
0927	09/11/2025	S	1	SS10-0'		7									X			3.8	
1010	09/11/2025	S	1	SS10-1'		8									X			3.0	
1250	09/11/2025	S	1	SS11-0'		9									X			3.4	
1312	09/11/2025	S	1	SS11-1'		10									X			3.6	

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: Eric Plugge

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Eric Plugge	09/12/25	1100	Noe Soto	9-12-25	1100
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E509138	Job Number 03C3.0002	1D 2D 3D Std: X	NM: X CO UT TX
Project Name: Big Moose Test Separator 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
1254	09/11/2025	S	1	SS12-0'		11									X			4.1	
1310	09/11/2025	S	1	SS12-1'		12									X			4.0	
1400	09/11/2025	S	1	SS13-0'		13									X			3.6	
1417	09/11/2025	S	1	SS13-1'		14									X			3.8	
1401	09/11/2025	S	1	SS14-0'		15									X			3.4	
1419	09/11/2025	S	1	SS14-1'		16									X			4.0	
1421	09/11/2025	S	1	SS15-0'		17									X			4.1	
1421	09/11/2025	S	1	SS15-1'		18									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: Eric Plugge

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	09/12/25	1100	[signature]	9-12-25	1100
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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: 9/15/2025 10:26:02AM

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:	09/12/25 11:00	Work Order ID:	E509138
Phone:	(972) 371-5200	Date Logged In:	09/12/25 13:00	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/19/25 17:00 (5 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

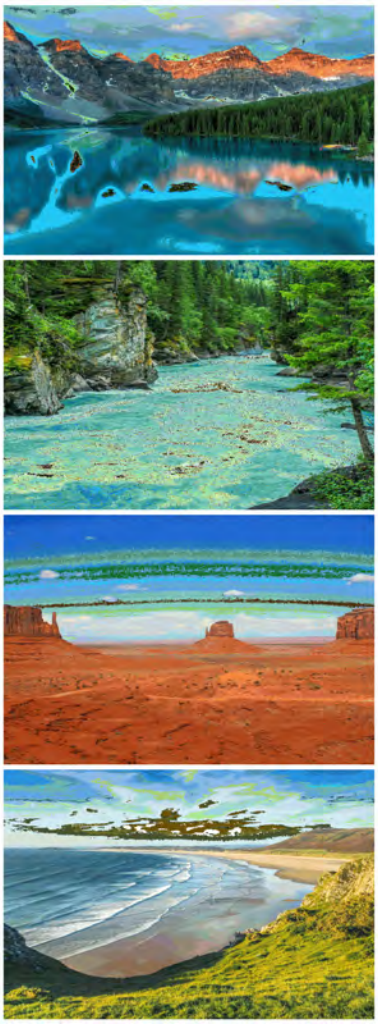
Signature of client authorizing changes to the COC or sample disposition.

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:	Big Moose Test Separator Pad
Work Order:	E509158
Job Number:	23003-0002
Received:	9/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/22/25

Date Reported: 9/22/25

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

Project Name: Big Moose Test Separator Pad
Workorder: E509158
Date Received: 9/16/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2025 7:30:00AM, under the Project Name: Big Moose Test Separator Pad.

The analytical test results summarized in this report with the Project Name: Big Moose Test Separator 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 15:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS16-0'	E509158-01A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
SS16-1'	E509158-02A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH01-0'	E509158-03A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH01-.5'	E509158-04A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH01-1'	E509158-05A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH02-0'	E509158-06A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH02-.5'	E509158-07A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH02-1'	E509158-08A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH03-0'	E509158-09A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH03-.5'	E509158-10A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH03-1'	E509158-11A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH04-0'	E509158-12A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH04-.5'	E509158-13A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH04-1'	E509158-14A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH04-2'	E509158-15A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH04-2.5'	E509158-16A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH05-0'	E509158-17A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH05-.5'	E509158-18A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH05-1'	E509158-19A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH06-0'	E509158-20A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH06-.5'	E509158-21A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH06-1'	E509158-22A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

SS16-0'

E509158-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*97.1 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	ND	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

SS16-1'

E509158-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*09/16/25*	*09/16/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*99.9 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**22.8**	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH01-0'

E509158-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	**0.0424**	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	**2.71**	0.0250	1	09/16/25	09/17/25	
Toluene	**2.74**	0.0250	1	09/16/25	09/17/25	
o-Xylene	**3.91**	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	**9.26**	0.0500	1	09/16/25	09/17/25	
Total Xylenes	**13.2**	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	**117**	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.9 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**5890**	50.0	2	09/16/25	09/16/25	T9
Oil Range Organics (C28-C36)	**1840**	100	2	09/16/25	09/16/25	
Surrogate: n-Nonane		*179 %*	*61-141*	*09/16/25*	*09/16/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**7530**	100	5	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH01-.5'

E509158-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	ND	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/17/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**25.5**	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	**74.0**	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*96.9 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**419**	20.0	1	09/16/25	09/16/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH01-1'

E509158-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	ND	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/17/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*96.6 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**31.6**	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH02-0'

E509158-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	**0.643**	0.0250	1	09/16/25	09/17/25	
Toluene	**0.0790**	0.0250	1	09/16/25	09/17/25	
o-Xylene	**1.18**	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	**2.96**	0.0500	1	09/16/25	09/17/25	
Total Xylenes	**4.14**	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	**34.2**	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**35400**	125	5	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	**17100**	250	5	09/16/25	09/16/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**301**	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH02-.5'

E509158-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	ND	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/17/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*93.6 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**27.0**	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH02-1'

E509158-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	ND	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/17/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
Surrogate: n-Nonane		*95.8 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**25.4**	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH03-0'

E509158-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	**0.817**	0.0250	1	09/16/25	09/17/25	
Toluene	**0.226**	0.0250	1	09/16/25	09/17/25	
o-Xylene	**1.36**	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	**3.16**	0.0500	1	09/16/25	09/17/25	
Total Xylenes	**4.52**	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	**66.6**	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**31000**	125	5	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	**17300**	250	5	09/16/25	09/16/25	
Surrogate: n-Nonane		*126 %*	*61-141*	*09/16/25*	*09/16/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**58400**	2000	100	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH03-.5'

E509158-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	ND	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/17/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*95.1 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**24.4**	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH03-1'

E509158-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	ND	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/17/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*95.9 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	ND	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH04-0'

E509158-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0500	2	09/16/25	09/17/25	
Ethylbenzene	**1.66**	0.0500	2	09/16/25	09/17/25	
Toluene	**1.29**	0.0500	2	09/16/25	09/17/25	
o-Xylene	**2.65**	0.0500	2	09/16/25	09/17/25	
p,m-Xylene	**6.72**	0.100	2	09/16/25	09/17/25	
Total Xylenes	**9.37**	0.0500	2	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	**133**	40.0	2	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**41500**	125	5	09/16/25	09/17/25	T9
Oil Range Organics (C28-C36)	**19100**	250	5	09/16/25	09/17/25	
Surrogate: n-Nonane		*161 %*	*61-141*	*09/16/25*	*09/17/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**66.7**	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH04-.5'

E509158-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	**1.25**	0.125	5	09/16/25	09/17/25	
Ethylbenzene	**20.1**	0.125	5	09/16/25	09/17/25	
Toluene	**31.0**	0.125	5	09/16/25	09/17/25	
o-Xylene	**25.0**	0.125	5	09/16/25	09/17/25	
p,m-Xylene	**67.5**	0.250	5	09/16/25	09/17/25	
Total Xylenes	**92.5**	0.125	5	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	**1160**	100	5	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**23500**	250	10	09/16/25	09/17/25	T9
Oil Range Organics (C28-C36)	**6690**	500	10	09/16/25	09/17/25	
Surrogate: n-Nonane		*688 %*	*61-141*	*09/16/25*	*09/17/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	ND	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH04-1'

E509158-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	**0.119**	0.0250	1	09/16/25	09/17/25	
Toluene	**0.0317**	0.0250	1	09/16/25	09/17/25	
o-Xylene	**0.0658**	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	**0.160**	0.0500	1	09/16/25	09/17/25	
Total Xylenes	**0.226**	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**30.0**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	**60.7**	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*96.7 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	ND	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH04-2'

E509158-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	**0.0451**	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	ND	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/17/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	ND	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH04-2.5'

E509158-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	**0.0649**	0.0250	1	09/16/25	09/17/25	
Toluene	**0.0416**	0.0250	1	09/16/25	09/17/25	
o-Xylene	**0.0956**	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	**0.244**	0.0500	1	09/16/25	09/17/25	
Total Xylenes	**0.340**	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**258**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	**113**	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*97.3 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**25.1**	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH05-0'

E509158-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	**0.171**	0.0250	1	09/16/25	09/17/25	
Toluene	**0.132**	0.0250	1	09/16/25	09/17/25	
o-Xylene	**0.230**	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	**0.671**	0.0500	1	09/16/25	09/17/25	
Total Xylenes	**0.901**	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**38700**	125	5	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	**21200**	250	5	09/16/25	09/17/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**40500**	2000	100	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH05-.5'

E509158-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	**0.0451**	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	**0.0759**	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	**0.124**	0.0500	1	09/16/25	09/17/25	
Total Xylenes	**0.200**	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**288**	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	**101**	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*94.8 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**143**	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH05-1'

E509158-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	ND	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/17/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*94.2 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	ND	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH06-0'

E509158-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Benzene	**0.120**	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	**1.35**	0.0250	1	09/16/25	09/17/25	
Toluene	**2.16**	0.0250	1	09/16/25	09/17/25	
o-Xylene	**2.01**	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	**5.35**	0.0500	1	09/16/25	09/17/25	
Total Xylenes	**7.36**	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2538039
Gasoline Range Organics (C6-C10)	**74.6**	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2538032
Diesel Range Organics (C10-C28)	**6100**	50.0	2	09/16/25	09/17/25	T9
Oil Range Organics (C28-C36)	**2490**	100	2	09/16/25	09/17/25	
Surrogate: n-Nonane		*143 %*	*61-141*	*09/16/25*	*09/17/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2538046
Chloride	**13400**	200	10	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH06-.5'

E509158-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538035
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	ND	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/17/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538042
Chloride	ND	20.0	1	09/16/25	09/17/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

BH06-1'

E509158-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2538035
Benzene	ND	0.0250	1	09/16/25	09/17/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/17/25	
Toluene	ND	0.0250	1	09/16/25	09/17/25	
o-Xylene	ND	0.0250	1	09/16/25	09/17/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/17/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/17/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2538035
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/17/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*09/16/25*	*09/17/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2538031
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*09/16/25*	*09/17/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2538042
Chloride	ND	20.0	1	09/16/25	09/17/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538035-BLK1)									Prepared: 09/16/25 Analyzed: 09/17/25
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	*7.36*		*8.00*		*92.0*	*70-130*			
LCS (2538035-BS1)									Prepared: 09/16/25 Analyzed: 09/17/25
Benzene	3.79	0.0250	5.00		75.9	70-130			
Ethylbenzene	3.68	0.0250	5.00		73.5	70-130			
Toluene	3.75	0.0250	5.00		74.9	70-130			
o-Xylene	3.74	0.0250	5.00		74.9	70-130			
p,m-Xylene	7.46	0.0500	10.0		74.6	70-130			
Total Xylenes	11.2	0.0250	15.0		74.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.1*	*70-130*			
Matrix Spike (2538035-MS1)				**Source: E509153-01**					Prepared: 09/16/25 Analyzed: 09/17/25
Benzene	4.39	0.0250	5.00	ND	87.8	70-130			
Ethylbenzene	4.25	0.0250	5.00	ND	85.1	70-130			
Toluene	4.34	0.0250	5.00	ND	86.7	70-130			
o-Xylene	4.32	0.0250	5.00	ND	86.4	70-130			
p,m-Xylene	8.61	0.0500	10.0	ND	86.1	70-130			
Total Xylenes	12.9	0.0250	15.0	ND	86.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2538035-MSD1)				**Source: E509153-01**					Prepared: 09/16/25 Analyzed: 09/17/25
Benzene	4.97	0.0250	5.00	ND	99.3	70-130	12.3	27	
Ethylbenzene	4.79	0.0250	5.00	ND	95.9	70-130	11.9	26	
Toluene	4.90	0.0250	5.00	ND	98.0	70-130	12.2	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	70-130	11.6	25	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	70-130	11.7	23	
Total Xylenes	14.5	0.0250	15.0	ND	96.9	70-130	11.6	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.37*		*8.00*		*92.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

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 (2538039-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
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	*7.42*		*8.00*		*92.8*	*70-130*			
LCS (2538039-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.35	0.0250	5.00		87.0	70-130			
Ethylbenzene	4.32	0.0250	5.00		86.3	70-130			
Toluene	4.32	0.0250	5.00		86.5	70-130			
o-Xylene	4.28	0.0250	5.00		85.7	70-130			
p,m-Xylene	8.73	0.0500	10.0		87.3	70-130			
Total Xylenes	13.0	0.0250	15.0		86.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.4*	*70-130*			
Matrix Spike (2538039-MS1)				**Source: E509158-02**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	4.85	0.0250	5.00	ND	97.0	70-130			
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	70-130			
Toluene	4.81	0.0250	5.00	ND	96.3	70-130			
o-Xylene	4.73	0.0250	5.00	ND	94.6	70-130			
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	70-130			
Total Xylenes	14.4	0.0250	15.0	ND	95.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.28*		*8.00*		*91.0*	*70-130*			
Matrix Spike Dup (2538039-MSD1)				**Source: E509158-02**					Prepared: 09/16/25 Analyzed: 09/16/25
Benzene	5.02	0.0250	5.00	ND	100	70-130	3.48	27	
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	70-130	3.62	26	
Toluene	4.98	0.0250	5.00	ND	99.6	70-130	3.43	20	
o-Xylene	4.90	0.0250	5.00	ND	98.1	70-130	3.59	25	
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	70-130	3.52	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.3	70-130	3.54	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.34*		*8.00*		*91.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538035-BLK1)									Prepared: 09/16/25 Analyzed: 09/17/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2538035-BS2)									Prepared: 09/16/25 Analyzed: 09/19/25
Gasoline Range Organics (C6-C10)	49.9	20.0	50.0		99.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			
Matrix Spike (2538035-MS2)				**Source: E509153-01**					Prepared: 09/16/25 Analyzed: 09/19/25
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.8*	*70-130*			
Matrix Spike Dup (2538035-MSD2)				**Source: E509153-01**					Prepared: 09/16/25 Analyzed: 09/19/25
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.7	70-130	0.154	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.15*		*8.00*		*89.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

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 (2538039-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.6*	*70-130*			
LCS (2538039-BS2)									Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*8.00*		*92.7*	*70-130*			
Matrix Spike (2538039-MS2)				**Source: E509158-02**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.3*	*70-130*			
Matrix Spike Dup (2538039-MSD2)				**Source: E509158-02**					Prepared: 09/16/25 Analyzed: 09/16/25
Gasoline Range Organics (C6-C10)	55.4	20.0	50.0	ND	111	70-130	3.14	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.56*		*8.00*		*94.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

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 (2538031-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.8*		*50.0*		*95.7*	*61-141*			
LCS (2538031-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	*48.9*		*50.0*		*97.8*	*61-141*			
Matrix Spike (2538031-MS1)				**Source: E509157-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	551	25.0	250	162	155	56-156			
Surrogate: n-Nonane	*49.2*		*50.0*		*98.3*	*61-141*			
Matrix Spike Dup (2538031-MSD1)				**Source: E509157-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	506	25.0	250	162	137	56-156	8.53	20	
Surrogate: n-Nonane	*49.1*		*50.0*		*98.3*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

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 (2538032-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.1*		*50.0*		*114*	*61-141*			
LCS (2538032-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	*46.5*		*50.0*		*93.0*	*61-141*			
Matrix Spike (2538032-MS1)				**Source: E509158-05**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	*47.3*		*50.0*		*94.5*	*61-141*			
Matrix Spike Dup (2538032-MSD1)				**Source: E509158-05**					Prepared: 09/16/25 Analyzed: 09/16/25
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156	3.16	20	
Surrogate: n-Nonane	*47.9*		*50.0*		*95.8*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

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 (2538042-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	ND	20.0							
LCS (2538042-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2538042-MS1)				**Source: E509155-05**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2538042-MSD1)				**Source: E509155-05**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	261	20.0	250	ND	104	80-120	0.127	20	

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 3:34:06PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2538046-BLK1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	ND	20.0							
LCS (2538046-BS1)									Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2538046-MS1)				**Source: E509158-04**					Prepared: 09/16/25 Analyzed: 09/16/25
Chloride	698	20.0	250	419	111	80-120			
Matrix Spike Dup (2538046-MSD1)				**Source: E509158-04**					Prepared: 09/16/25 Analyzed: 09/17/25
Chloride	691	20.0	250	419	108	80-120	1.02	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:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 15:34

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E509158	1D 2D 3D Std	NM CO UT TX
Project Name: Big Moose Test Separator 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		Sample Temp	Remarks
0451	09/12/2025	S	1	SS16-0'		1									X			3.0	
1000	09/12/2025	S	1	SS16-1'		2									X			3.2	
1026	09/12/2025	S	1	BH01-0'		3									X			2.4	
1031	09/12/2025	S	1	BH01-.5'		4									X			3.8	
1032	09/12/2025	S	1	BH01-1'		5									X			4.0	
1120	09/12/2025	S	1	BH02-0'		6									X			4.2	
1125	09/12/2025	S	1	BH02-.5'		7									X			2.6	
1171	09/12/2025	S	1	BH02-1'		8									X			2.6	
1200	09/12/2025	S	1	BH03-0'		9									X			3.0	
1205	09/12/2025	S	1	BH03-.5'		10									X			3.4	

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: Eric Plugge

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/15/25	711	Michelle Gonzales	9-15-25	0711
Michelle Gonzales	9-15-25	1430	Marissa Gonzales	9-15-25	1430
Marissa Gonzales	9-15-25	1830	Andrew Musso	9-15-25	1830
Andrew Musso	9-15-25	2300	Caitlin Han	9-16-25	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 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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E509158	1D 2D 3D Std	NM CO UT TX
Project Name: Big Moose Test Separator Pad	Address: 3122 National Parks Hwy	Job Number 23103.0052		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	Sample Temp	Remarks
1208	09/12/2025	S	1	BH03-1'		11								X		3.0	
1225	09/12/2025	S	1	BH03-0'		12								X		3.4	
1231	09/12/2025	S	1	BH04-.5'		13								X		3.4	
1232	09/12/2025	S	1	BH04-1'		14								X		2.8	
1233	09/12/2025	S	1	BH04-2'		15								X		2.6	
1235	09/12/2025	S	1	BH04-2.5'		16								X		4.1	
1305	09/12/2025	S	1	BH05-0'		17								X		4.0	
1313	09/12/2025	S	1	BH05-.5'		18								X		2.4	
1314	09/12/2025	S	1	BH05-1'		19								X		2.8	
1355	09/12/2025	S	1	BH06-0'		20								X		3.2	

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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Michelle Gonzales	9-15-25	1430	Marissa Gonzales	9-15-25	1430
Marissa Gonzales	9-15-25	1830	Andrew Musso	9.15.25	1830
Andrew Musso	9.15.25	2300	Caitlin Mar	9.16.25	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 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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E509158	1D 2D 3D Std	NM CO UT TX
Project Name: Big Moose Test Separator Pad	Address: 3122 National Parks Hwy	Job Number 23103.0002		X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

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
1358	09/12/2025	S	1	BH06-.5'		21									X			3.6	
1401	09/12/2025	S	1	BH06-1'		22									X			3.3	
	09/12/2025	S	1												X				
	09/12/2025	S	1												X				
	09/12/2025	S	1												X				
	09/12/2025	S	1												X				
	09/12/2025	S	1												X				
	09/12/2025	S	1												X				
	09/12/2025	S	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, 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: Eric Plugge

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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Michelle Gonzales	9-15-25	1430	Marissa Gonzales	9-15-25	1430
Marissa Gonzales	9-15-25	1830	Andrew Musso	9.15.25	1830
Andrew Musso	9.15.25	2300	[signature]	9.16.25	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 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: 9/16/2025 9:15:06AM

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:	09/16/25 07:30	Work Order ID:	E509158
Phone:	(972) 371-5200	Date Logged In:	09/15/25 15:38	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/22/25 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:	Big Moose Test Separator Pad
Work Order:	E510265
Job Number:	23003-0002
Received:	10/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/29/25

Date Reported: 10/29/25

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

Project Name: Big Moose Test Separator Pad
Workorder: E510265
Date Received: 10/23/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2025 8:15:00AM, under the Project Name: Big Moose Test Separator Pad.

The analytical test results summarized in this report with the Project Name: Big Moose Test Separator 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,

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Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/25 08:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04-3'	E510265-01A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:00:57AM

BH04-3'

E510265-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2543088
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2543088
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543083
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*88.1 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543081
Chloride	ND	20.0	1	10/23/25	10/23/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:00:57AM

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 (2543088-BLK1)									Prepared: 10/23/25 Analyzed: 10/24/25
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	*7.55*		*8.00*		*94.3*	*70-130*			
LCS (2543088-BS1)									Prepared: 10/23/25 Analyzed: 10/23/25
Benzene	4.79	0.0250	5.00		95.8	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.2	70-130			
Toluene	4.68	0.0250	5.00		93.6	70-130			
o-Xylene	4.63	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.21	0.0500	10.0		92.1	70-130			
Total Xylenes	13.8	0.0250	15.0		92.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.7*	*70-130*			
Matrix Spike (2543088-MS1)				**Source: E510259-04**					Prepared: 10/23/25 Analyzed: 10/23/25
Benzene	4.92	0.0250	5.00	ND	98.4	70-130			
Ethylbenzene	4.63	0.0250	5.00	ND	92.5	70-130			
Toluene	4.80	0.0250	5.00	ND	95.9	70-130			
o-Xylene	4.73	0.0250	5.00	ND	94.6	70-130			
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	70-130			
Total Xylenes	14.2	0.0250	15.0	ND	94.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike Dup (2543088-MSD1)				**Source: E510259-04**					Prepared: 10/23/25 Analyzed: 10/23/25
Benzene	5.19	0.0250	5.00	ND	104	70-130	5.32	27	
Ethylbenzene	4.89	0.0250	5.00	ND	97.9	70-130	5.63	26	
Toluene	5.07	0.0250	5.00	ND	101	70-130	5.51	20	
o-Xylene	4.98	0.0250	5.00	ND	99.5	70-130	5.10	25	
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	70-130	5.55	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.6	70-130	5.40	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:00:57AM

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 (2543088-BLK1)									Prepared: 10/23/25 Analyzed: 10/24/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.8*	*70-130*			
LCS (2543088-BS2)									Prepared: 10/23/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.7*	*70-130*			
Matrix Spike (2543088-MS2)				**Source: E510259-04**					Prepared: 10/23/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			
Matrix Spike Dup (2543088-MSD2)				**Source: E510259-04**					Prepared: 10/23/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130	9.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.14*		*8.00*		*89.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:00:57AM

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 (2543083-BLK1)									Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.3*		*50.0*		*86.6*	*61-141*			
LCS (2543083-BS1)									Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	242	25.0	250		96.8	66-144			
Surrogate: n-Nonane	*43.5*		*50.0*		*87.0*	*61-141*			
Matrix Spike (2543083-MS1)				**Source: E510264-02**					Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.8	56-156			
Surrogate: n-Nonane	*45.4*		*50.0*		*90.9*	*61-141*			
Matrix Spike Dup (2543083-MSD1)				**Source: E510264-02**					Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	56-156	1.69	20	
Surrogate: n-Nonane	*45.4*		*50.0*		*90.8*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:00:57AM

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 (2543081-BLK1)									Prepared: 10/23/25 Analyzed: 10/23/25
Chloride	ND	20.0							
LCS (2543081-BS1)									Prepared: 10/23/25 Analyzed: 10/23/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2543081-MS1)				**Source: E510264-02**					Prepared: 10/23/25 Analyzed: 10/23/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2543081-MSD1)				**Source: E510264-02**					Prepared: 10/23/25 Analyzed: 10/23/25
Chloride	254	20.0	250	ND	102	80-120	0.263	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:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/25 08:00

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

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo Midstream	Company: Ensolum LLC	Lab WO# E510205	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: X
Project Name: Big Moose Test Separator 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		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1237	10/21/2025	S	1	BH04-3'		1									X			4.3	

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

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
	10-22-25			10.22.25	1145
	10.22.25	1433		10/22/25	1433
	10/22/25	2045	Andrew Musso	10.22.25	2045
Andrew Musso	10.23.25	0100	Caitlin Mars	10.23.25	815

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: 10/23/2025 9:45:38AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	10/23/25 08:15	Work Order ID:	E510265
Phone:	(972) 371-5200	Date Logged In:	10/22/25 14:38	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/29/25 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

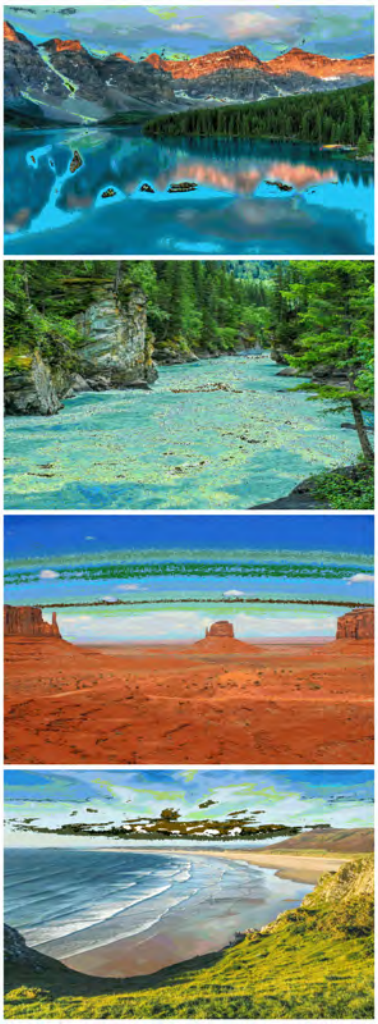
Signature of client authorizing changes to the COC or sample disposition.

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:	Big Moose Test Separator Pad
Work Order:	E510240
Job Number:	23003-0002
Received:	10/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/25

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: 10/27/25

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

Project Name: Big Moose Test Separator Pad
Workorder: E510240
Date Received: 10/21/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/21/2025 8:00:00AM, under the Project Name: Big Moose Test Separator Pad.

The analytical test results summarized in this report with the Project Name: Big Moose Test Separator 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,

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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/25 04:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03-0.5'	E510240-01A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
FS05-0.5'	E510240-02A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
FS06-0.5'	E510240-03A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
FS09-0.5'	E510240-04A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
FS10-0.5'	E510240-05A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
FS11-0.5'	E510240-06A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
FS13-0.5'	E510240-07A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
FS15-0.5'	E510240-08A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

FS03-0.5'

E510240-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Benzene	ND	0.0250	1	10/21/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/23/25	
Toluene	ND	0.0250	1	10/21/25	10/23/25	
o-Xylene	ND	0.0250	1	10/21/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		*88.0 %*	*61-141*	*10/21/25*	*10/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543042
Chloride	ND	20.0	1	10/21/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

FS05-0.5'

E510240-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Benzene	ND	0.0250	1	10/21/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/23/25	
Toluene	ND	0.0250	1	10/21/25	10/23/25	
o-Xylene	ND	0.0250	1	10/21/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.3 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		*92.9 %*	*61-141*	*10/21/25*	*10/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543042
Chloride	ND	20.0	1	10/21/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

FS06-0.5'

E510240-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Benzene	ND	0.0250	1	10/21/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/23/25	
Toluene	ND	0.0250	1	10/21/25	10/23/25	
o-Xylene	ND	0.0250	1	10/21/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		*89.5 %*	*61-141*	*10/21/25*	*10/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543042
Chloride	ND	20.0	1	10/21/25	10/21/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

FS09-0.5'

E510240-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Benzene	ND	0.0250	1	10/21/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/23/25	
Toluene	ND	0.0250	1	10/21/25	10/23/25	
o-Xylene	ND	0.0250	1	10/21/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		*90.6 %*	*61-141*	*10/21/25*	*10/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543042
Chloride	ND	20.0	1	10/21/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

FS10-0.5'

E510240-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Benzene	ND	0.0250	1	10/21/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/23/25	
Toluene	ND	0.0250	1	10/21/25	10/23/25	
o-Xylene	ND	0.0250	1	10/21/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.3 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		*89.5 %*	*61-141*	*10/21/25*	*10/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543042
Chloride	ND	20.0	1	10/21/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

FS11-0.5'

E510240-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Benzene	ND	0.0250	1	10/21/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/23/25	
Toluene	ND	0.0250	1	10/21/25	10/23/25	
o-Xylene	ND	0.0250	1	10/21/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.2 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		*94.9 %*	*61-141*	*10/21/25*	*10/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543042
Chloride	**23.5**	20.0	1	10/21/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

FS13-0.5'

E510240-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Benzene	ND	0.0250	1	10/21/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/23/25	
Toluene	ND	0.0250	1	10/21/25	10/23/25	
o-Xylene	ND	0.0250	1	10/21/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		*91.9 %*	*61-141*	*10/21/25*	*10/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543042
Chloride	ND	20.0	1	10/21/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

FS15-0.5'

E510240-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Benzene	ND	0.0250	1	10/21/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/23/25	
Toluene	ND	0.0250	1	10/21/25	10/23/25	
o-Xylene	ND	0.0250	1	10/21/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*10/21/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		*88.9 %*	*61-141*	*10/21/25*	*10/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543042
Chloride	ND	20.0	1	10/21/25	10/22/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

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 (2543035-BLK1)									Prepared: 10/21/25 Analyzed: 10/23/25
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	*8.18*		*8.00*		*102*	*70-130*			
LCS (2543035-BS1)									Prepared: 10/21/25 Analyzed: 10/23/25
Benzene	4.49	0.0250	5.00		89.8	70-130			
Ethylbenzene	4.27	0.0250	5.00		85.4	70-130			
Toluene	4.39	0.0250	5.00		87.8	70-130			
o-Xylene	4.39	0.0250	5.00		87.7	70-130			
p,m-Xylene	8.75	0.0500	10.0		87.5	70-130			
Total Xylenes	13.1	0.0250	15.0		87.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.24*		*8.00*		*103*	*70-130*			
Matrix Spike (2543035-MS1)				**Source: E510238-05**					Prepared: 10/21/25 Analyzed: 10/23/25
Benzene	5.36	0.0250	5.00	ND	107	70-130			
Ethylbenzene	6.24	0.0250	5.00	1.05	104	70-130			
Toluene	5.40	0.0250	5.00	0.0720	107	70-130			
o-Xylene	5.47	0.0250	5.00	0.198	106	70-130			
p,m-Xylene	13.1	0.0500	10.0	2.58	105	70-130			
Total Xylenes	18.6	0.0250	15.0	2.78	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.72*		*8.00*		*122*	*70-130*			
Matrix Spike Dup (2543035-MSD1)				**Source: E510238-05**					Prepared: 10/21/25 Analyzed: 10/23/25
Benzene	5.32	0.0250	5.00	ND	106	70-130	0.878	27	
Ethylbenzene	6.15	0.0250	5.00	1.05	102	70-130	1.30	26	
Toluene	5.35	0.0250	5.00	0.0720	106	70-130	0.869	20	
o-Xylene	5.64	0.0250	5.00	0.198	109	70-130	3.02	25	
p,m-Xylene	12.9	0.0500	10.0	2.58	103	70-130	1.85	23	
Total Xylenes	18.5	0.0250	15.0	2.78	105	70-130	0.387	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.60*		*8.00*		*120*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

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 (2543035-BLK1)									Prepared: 10/21/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.16*		*8.00*		*89.5*	*70-130*			
LCS (2543035-BS2)									Prepared: 10/21/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.11*		*8.00*		*88.9*	*70-130*			
Matrix Spike (2543035-MS2)				**Source: E510238-05**					Prepared: 10/21/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	130	20.0	50.0	64.1	132	70-130			M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2543035-MSD2)				**Source: E510238-05**					Prepared: 10/21/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	122	20.0	50.0	64.1	116	70-130	6.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

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 (2543027-BLK1)									Prepared: 10/21/25 Analyzed: 10/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.6*		*50.0*		*89.2*	*61-141*			
LCS (2543027-BS1)									Prepared: 10/21/25 Analyzed: 10/21/25
Diesel Range Organics (C10-C28)	224	25.0	250		89.8	66-144			
Surrogate: n-Nonane	*44.0*		*50.0*		*88.0*	*61-141*			
Matrix Spike (2543027-MS1)				**Source: E510241-06**					Prepared: 10/21/25 Analyzed: 10/21/25
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.8	56-156			
Surrogate: n-Nonane	*44.7*		*50.0*		*89.4*	*61-141*			
Matrix Spike Dup (2543027-MSD1)				**Source: E510241-06**					Prepared: 10/21/25 Analyzed: 10/21/25
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.1	56-156	4.65	20	
Surrogate: n-Nonane	*44.7*		*50.0*		*89.5*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 4:32:32AM

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 (2543042-BLK1)									Prepared: 10/21/25 Analyzed: 10/21/25
Chloride	ND	20.0							
LCS (2543042-BS1)									Prepared: 10/21/25 Analyzed: 10/21/25
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2543042-MS1)				**Source: E510240-03**					Prepared: 10/21/25 Analyzed: 10/21/25
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2543042-MSD1)				**Source: E510240-03**					Prepared: 10/21/25 Analyzed: 10/21/25
Chloride	255	20.0	250	ND	102	80-120	0.323	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/25 04:32

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.

envirotech
Analytical Laboratory

Chain of Custody

E.50240 CM 10/21/25

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: ~~San Mateo~~ Matador	Company: Ensolum LLC	Lab WO# E51240	1D 2D 3D Std	NM CO UT TX
Project Name: Big Moose Test Separator 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		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1129	10/17/2025	S	1	FS03-0.5'		1									X			2.8	
1132	10/17/2025	S	1	FS05-0.5'		2									X			4.3	
1134	10/17/2025	S	1	FS06-0.5'		3									X			4.8	
1135	10/17/2025	S	1	FS09-0.5'		4									X			5.3	
1205	10/17/2025	S	1	FS10-0.5'		5									X			4.0	
1207	10/17/2025	S	1	FS11-0.5'		6									X			3.5	
1210	10/17/2025	S	1	FS13-0.5'		7									X			2.9	
1214	10/17/2025	S	1	FS15-0.5'		8									X			5.8	

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
Changed Client name per J.G 10/21/25 CM

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
	10-20-25		Marissa Gonzales	10-20-25	0711
Marissa Gonzales	10-20-25	1530		10-20-25	1530
	10-20-25	2000	Andrew Musso	10.20.25	2000
Andrew Musso	10.21.25	0100	Caleb Mar	10.21.25	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 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

Chain of Custody

E.50240 cm 10/21/25

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Mateo	Company: Ensolum LLC	Lab WO# E51240	Job Number 23003.0002	1D 2D 3D Std: x	NM: X CO UT TX
Project Name: Big Moose Test Separator 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		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1129	10/17/2025	S	1	FS03-0.5'		1									X			2.8	
1132	10/17/2025	S	1	FS05-0.5'		2									X			4.3	
1134	10/17/2025	S	1	FS06-0.5'		3									X			4.8	
1135	10/17/2025	S	1	FS09-0.5'		4									X			5.3	
1205	10/17/2025	S	1	FS10-0.5'		5									X			4.0	
1207	10/17/2025	S	1	FS11-0.5'		6									X			3.5	
1210	10/17/2025	S	1	FS13-0.5'		7									X			2.9	
1214	10/17/2025	S	1	FS15-0.5'		8									X			5.8	

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: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-20-25		Marissa Gonzales	10-20-25	0711
Marissa Gonzales	10-20-25	1530		10-20-25	1530
	10-20-25	2000	Andrew Musso	10.20.25	2000
Andrew Musso	10.21.25	0100		10.21.25	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 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: 10/21/2025 10:13:42AM

Sample Receipt Checklist (SRC)

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

Client:	San Mateo Stebbins Water Management, LLC	Date Received:	10/21/25 08:00	Work Order ID:	E510240
Phone:	(972) 371-5200	Date Logged In:	10/20/25 16:39	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/27/25 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? 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:	Big Moose Test Separator Pad
Work Order:	E510257
Job Number:	23003-0002
Received:	10/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/28/25

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: 10/28/25

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

Project Name: Big Moose Test Separator Pad
Workorder: E510257
Date Received: 10/22/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/22/2025 6:30:00AM, under the Project Name: Big Moose Test Separator Pad.

The analytical test results summarized in this report with the Project Name: Big Moose Test Separator 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

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Michelle Gonzales
Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/25 08:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS14-0.5'	E510257-01A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS16-0.5'	E510257-02A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS18-0.5'	E510257-03A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS20-0.5'	E510257-04A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS21-0.5'	E510257-05A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS22-0.5'	E510257-06A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS23-0.5'	E510257-07A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS24-0.5'	E510257-08A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS25-0.5'	E510257-09A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS27-0.5'	E510257-10A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS28-0.5'	E510257-11A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS29-0.5'	E510257-12A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS30-0.5'	E510257-13A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS32-0.5'	E510257-14A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS37-0.5'	E510257-15A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS52-0.5'	E510257-16A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS53-0.5'	E510257-17A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
FS54-0.5'	E510257-18A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS14-0.5'

E510257-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*114 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*92.3 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**3760**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS16-0.5'

E510257-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*94.6 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**3250**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS18-0.5'

E510257-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*93.8 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**367**	20.0	1	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS20-0.5'

E510257-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*92.6 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**2940**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS21-0.5'

E510257-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*90.2 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**3750**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS22-0.5'

E510257-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*120 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*113 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*91.4 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**356**	20.0	1	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS23-0.5'

E510257-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*90.4 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**2930**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS24-0.5'

E510257-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*88.1 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**2880**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS25-0.5'

E510257-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*91.6 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**3740**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS27-0.5'

E510257-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*89.0 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**3670**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS28-0.5'

E510257-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*113 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*89.5 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**2840**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS29-0.5'

E510257-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*89.9 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**3710**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS30-0.5'

E510257-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*112 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*90.4 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**3660**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS32-0.5'

E510257-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*90.3 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**3790**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS37-0.5'

E510257-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*90.9 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**3490**	40.0	2	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS52-0.5'

E510257-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*93.4 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**364**	20.0	1	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS53-0.5'

E510257-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.1 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*90.4 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**1350**	20.0	1	10/22/25	10/22/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

FS54-0.5'

E510257-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Benzene	ND	0.0250	1	10/22/25	10/23/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/23/25	
Toluene	ND	0.0250	1	10/22/25	10/23/25	
o-Xylene	ND	0.0250	1	10/22/25	10/23/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/23/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/23/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2543067
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*10/22/25*	*10/23/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
Surrogate: n-Nonane		*89.2 %*	*61-141*	*10/22/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2543068
Chloride	**1410**	20.0	1	10/22/25	10/22/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

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 (2543067-BLK1)									Prepared: 10/22/25 Analyzed: 10/23/25
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	*9.17*		*8.00*		*115*	*70-130*			
LCS (2543067-BS1)									Prepared: 10/22/25 Analyzed: 10/23/25
Benzene	4.19	0.0250	5.00		83.7	70-130			
Ethylbenzene	4.00	0.0250	5.00		80.0	70-130			
Toluene	4.12	0.0250	5.00		82.3	70-130			
o-Xylene	4.08	0.0250	5.00		81.6	70-130			
p,m-Xylene	8.21	0.0500	10.0		82.1	70-130			
Total Xylenes	12.3	0.0250	15.0		82.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.36*		*8.00*		*117*	*70-130*			
Matrix Spike (2543067-MS1)				**Source: E510257-06**					Prepared: 10/22/25 Analyzed: 10/23/25
Benzene	4.97	0.0250	5.00	ND	99.3	70-130			
Ethylbenzene	4.73	0.0250	5.00	ND	94.5	70-130			
Toluene	4.88	0.0250	5.00	ND	97.6	70-130			
o-Xylene	4.79	0.0250	5.00	ND	95.8	70-130			
p,m-Xylene	9.67	0.0500	10.0	ND	96.7	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.68*		*8.00*		*121*	*70-130*			
Matrix Spike Dup (2543067-MSD1)				**Source: E510257-06**					Prepared: 10/22/25 Analyzed: 10/23/25
Benzene	4.63	0.0250	5.00	ND	92.6	70-130	6.99	27	
Ethylbenzene	4.42	0.0250	5.00	ND	88.4	70-130	6.76	26	
Toluene	4.55	0.0250	5.00	ND	91.0	70-130	7.00	20	
o-Xylene	4.46	0.0250	5.00	ND	89.2	70-130	7.22	25	
p,m-Xylene	9.03	0.0500	10.0	ND	90.3	70-130	6.83	23	
Total Xylenes	13.5	0.0250	15.0	ND	89.9	70-130	6.96	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.34*		*8.00*		*117*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

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 (2543067-BLK1)									Prepared: 10/22/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.18*		*8.00*		*115*	*70-130*			
LCS (2543067-BS2)									Prepared: 10/22/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.13*		*8.00*		*114*	*70-130*			
Matrix Spike (2543067-MS2)				**Source: E510257-06**					Prepared: 10/22/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.00*		*8.00*		*112*	*70-130*			
Matrix Spike Dup (2543067-MSD2)				**Source: E510257-06**					Prepared: 10/22/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.2	70-130	8.32	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.32*		*8.00*		*117*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

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 (2543062-BLK1)									Prepared: 10/22/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.2*		*50.0*		*90.4*	*61-141*			
LCS (2543062-BS1)									Prepared: 10/22/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	238	25.0	250		95.2	66-144			
Surrogate: n-Nonane	*44.6*		*50.0*		*89.2*	*61-141*			
Matrix Spike (2543062-MS1)				**Source: E510257-05**					Prepared: 10/22/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156			
Surrogate: n-Nonane	*45.2*		*50.0*		*90.4*	*61-141*			
Matrix Spike Dup (2543062-MSD1)				**Source: E510257-05**					Prepared: 10/22/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.7	56-156	1.42	20	
Surrogate: n-Nonane	*44.8*		*50.0*		*89.6*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/2025 8:23:34AM

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 (2543068-BLK1)									Prepared: 10/22/25 Analyzed: 10/22/25
Chloride	ND	20.0							
LCS (2543068-BS1)									Prepared: 10/22/25 Analyzed: 10/22/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2543068-MS1)				**Source: E510257-05**					Prepared: 10/22/25 Analyzed: 10/22/25
Chloride	4010	40.0	250	3750	106	80-120			
Matrix Spike Dup (2543068-MSD1)				**Source: E510257-05**					Prepared: 10/22/25 Analyzed: 10/22/25
Chloride	3930	40.0	250	3750	73.1	80-120	2.08	20	M4

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/28/25 08:23

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

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: ~~San Mateo~~ Matador	Company: Ensolum LLC	Lab WO# E510257	1D 2D 3D Std	NM CO UT TX
Project Name: Big Moose Test Separator 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		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1401	10/20/2025	S	1	FS14-0.5'		1									X			3.6	
1311	10/20/2025	S	1	FS16-0.5'		2									X			1.8	
1201	10/20/2025	S	1	FS18-0.5'		3									X			0.7	
1240	10/20/2025	S	1	FS20-0.5'		4									X			1.6	
1245	10/20/2025	S	1	FS21-0.5'		5									X			2.0	
1205	10/20/2025	S	1	FS22-0.5'		6									X			3.2	
1315	10/20/2025	S	1	FS23-0.5'		7									X			3.7	
1310	10/20/2025	S	1	FS24-0.5'		8									X			4.1	
1313	10/20/2025	S	1	FS25-0.5'		9									X			3.9	
1348	10/20/2025	S	1	FS27-0.5'		10									X			2.7	

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: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-21-25		Marissa Gonzalez	10-21-25	1130
Marissa Gonzalez	10-21-25	1415		10-21-25	1415
	10-21-25	1920	Andrew Musso	10.21.25	1920
Andrew Musso	10.21.25	2330		10-22-25	0630
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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: ~~San Mateo~~ Matador	Company: Ensolum LLC	Lab WO# E510257	Job Number 25003-0002	1D 2D 3D Std: x	NM CO UT TX: X
Project Name: Big Moose Test Separator 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		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1349	10/20/2025	S	1	FS28-0.5'		11									X			3.3	
1230	10/20/2025	S	1	FS29-0.5'		12									X			3.9	
1232	10/20/2025	S	1	FS30-0.5'		13									X			3.7	
1351	10/20/2025	S	1	FS32-0.5'		14									X			4.2	
1237	10/20/2025	S	1	FS37-0.5'		15									X			4.1	
1126	10/20/2025	S	1	FS52-0.5'		16									X			3.6	
1129	10/20/2025	S	1	FS53-0.5'		17									X			3.0	
1118	10/20/2025	S	1	FS54-0.5'		18									X			2.4	

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: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-21-25		Marissa Gonzales	10-21-25	1130
Marissa Gonzales	10-21-25	1415		10-21-25	1415
	10-21-25	1920	Andrew Musso	10.21.25	1920
Andrew Musso	10.21.25	2330		10.22.25	0630

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: 10/22/2025 10:19:56AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	10/22/25 06:30	Work Order ID:	E510257
Phone:	(972) 371-5200	Date Logged In:	10/21/25 16:40	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/28/25 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:	Big Moose Test Separator Pad
Work Order:	E510266
Job Number:	23003-0002
Received:	10/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/29/25

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: 10/29/25

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

Project Name: Big Moose Test Separator Pad
Workorder: E510266
Date Received: 10/23/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2025 8:15:00AM, under the Project Name: Big Moose Test Separator Pad.

The analytical test results summarized in this report with the Project Name: Big Moose Test Separator 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)
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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

Sample Summary

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/25 08:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01-0-0.5'	E510266-01A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
SW02-0-0.5'	E510266-02A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
SW03-0-1'	E510266-03A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:02:06AM

SW01-0-0.5'

E510266-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2543088
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.0 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2543088
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543083
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*86.9 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543081
Chloride	ND	20.0	1	10/23/25	10/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:02:06AM

SW02-0-0.5'

E510266-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2543088
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.3 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2543088
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543083
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*85.8 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543081
Chloride	ND	20.0	1	10/23/25	10/23/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:02:06AM

SW03-0-1'

E510266-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2543088
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.5 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2543088
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543083
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*89.4 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543081
Chloride	**87.3**	20.0	1	10/23/25	10/23/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:02:06AM

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 (2543088-BLK1)									Prepared: 10/23/25 Analyzed: 10/24/25
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	*7.55*		*8.00*		*94.3*	*70-130*			
LCS (2543088-BS1)									Prepared: 10/23/25 Analyzed: 10/23/25
Benzene	4.79	0.0250	5.00		95.8	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.2	70-130			
Toluene	4.68	0.0250	5.00		93.6	70-130			
o-Xylene	4.63	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.21	0.0500	10.0		92.1	70-130			
Total Xylenes	13.8	0.0250	15.0		92.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.7*	*70-130*			
Matrix Spike (2543088-MS1)				**Source: E510259-04**					Prepared: 10/23/25 Analyzed: 10/23/25
Benzene	4.92	0.0250	5.00	ND	98.4	70-130			
Ethylbenzene	4.63	0.0250	5.00	ND	92.5	70-130			
Toluene	4.80	0.0250	5.00	ND	95.9	70-130			
o-Xylene	4.73	0.0250	5.00	ND	94.6	70-130			
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	70-130			
Total Xylenes	14.2	0.0250	15.0	ND	94.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike Dup (2543088-MSD1)				**Source: E510259-04**					Prepared: 10/23/25 Analyzed: 10/23/25
Benzene	5.19	0.0250	5.00	ND	104	70-130	5.32	27	
Ethylbenzene	4.89	0.0250	5.00	ND	97.9	70-130	5.63	26	
Toluene	5.07	0.0250	5.00	ND	101	70-130	5.51	20	
o-Xylene	4.98	0.0250	5.00	ND	99.5	70-130	5.10	25	
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	70-130	5.55	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.6	70-130	5.40	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:02:06AM

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 (2543088-BLK1)									Prepared: 10/23/25 Analyzed: 10/24/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.8*	*70-130*			
LCS (2543088-BS2)									Prepared: 10/23/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.7*	*70-130*			
Matrix Spike (2543088-MS2)				**Source: E510259-04**					Prepared: 10/23/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			
Matrix Spike Dup (2543088-MSD2)				**Source: E510259-04**					Prepared: 10/23/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130	9.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.14*		*8.00*		*89.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:02:06AM

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 (2543083-BLK1)									Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.3*		*50.0*		*86.6*	*61-141*			
LCS (2543083-BS1)									Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	242	25.0	250		96.8	66-144			
Surrogate: n-Nonane	*43.5*		*50.0*		*87.0*	*61-141*			
Matrix Spike (2543083-MS1)				**Source: E510264-02**					Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.8	56-156			
Surrogate: n-Nonane	*45.4*		*50.0*		*90.9*	*61-141*			
Matrix Spike Dup (2543083-MSD1)				**Source: E510264-02**					Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	56-156	1.69	20	
Surrogate: n-Nonane	*45.4*		*50.0*		*90.8*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:02:06AM

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 (2543081-BLK1)									Prepared: 10/23/25 Analyzed: 10/23/25
Chloride	ND	20.0							
LCS (2543081-BS1)									Prepared: 10/23/25 Analyzed: 10/23/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2543081-MS1)				**Source: E510264-02**					Prepared: 10/23/25 Analyzed: 10/23/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2543081-MSD1)				**Source: E510264-02**					Prepared: 10/23/25 Analyzed: 10/23/25
Chloride	254	20.0	250	ND	102	80-120	0.263	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:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/25 08:02

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

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: ~~San Mateo~~ Matador	Company: Ensolum LLC	Lab WO# E5102606	Job Number 23103.0002	1D 2D 3D Std: x	NM X, CO, UT, TX
Project Name: Big Moose Test Separator 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		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1101	10/21/2025	S	1	SW01-0-0.5'		1									X			3.9	
1105	10/21/2025	S	1	SW02-0-0.5'		2									X			5.6	
1329	10/21/2025	S	1	SW03-0-1'		3									X			5.8	

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: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-22-25			10.22.25	1145
	10.22.25	1433		10/22/25	1433
	10/22/25	2045	Andrew Musso	10.22.25	2045
Andrew Musso	10.23.25	0100		10.23.25	815

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: 10/23/2025 9:46:44AM

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:	10/23/25 08:15	Work Order ID:	E510266
Phone:	(972) 371-5200	Date Logged In:	10/22/25 14:40	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/29/25 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?	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:	Big Moose Test Separator Pad
Work Order:	E510275
Job Number:	23003-0002
Received:	10/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/29/25

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: 10/29/25

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

Project Name: Big Moose Test Separator Pad
Workorder: E510275
Date Received: 10/23/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2025 8:15:00AM, under the Project Name: Big Moose Test Separator Pad.

The analytical test results summarized in this report with the Project Name: Big Moose Test Separator 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/25 08:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0.5'	E510275-01A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS02-0.5'	E510275-02A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS04-0.5'	E510275-03A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS07-0.5'	E510275-04A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS08-0.5'	E510275-05A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS12-0.5'	E510275-06A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS17-0.5'	E510275-07A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS19-1'	E510275-08A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS26-0.5'	E510275-09A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS31-0.5'	E510275-10A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS33-0.5'	E510275-11A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS38-0.5'	E510275-12A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS45-0.5'	E510275-13A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS46-0.5'	E510275-14A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS47-0.5'	E510275-15A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS48-0.5'	E510275-16A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS49-0.5'	E510275-17A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS50-1'	E510275-18A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS51-1'	E510275-19A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS01-0.5'

E510275-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*83.1 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**53.3**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS02-0.5'

E510275-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*83.4 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**50.7**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS04-0.5'

E510275-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*83.0 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**51.2**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS07-0.5'

E510275-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*83.6 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	ND	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS08-0.5'

E510275-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*83.0 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	ND	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS12-0.5'

E510275-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*82.6 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	ND	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS17-0.5'

E510275-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*82.6 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	ND	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS19-1'

E510275-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*85.0 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**53.2**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS26-0.5'

E510275-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*85.8 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**52.2**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS31-0.5'

E510275-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*84.0 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**52.4**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS33-0.5'

E510275-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*83.0 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	ND	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS38-0.5'

E510275-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/23/25	
Surrogate: n-Nonane		*84.6 %*	*61-141*	*10/23/25*	*10/23/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	ND	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS45-0.5'

E510275-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
Surrogate: n-Nonane		*87.3 %*	*61-141*	*10/23/25*	*10/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**88.7**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS46-0.5'

E510275-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
Surrogate: n-Nonane		*82.9 %*	*61-141*	*10/23/25*	*10/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**67.6**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS47-0.5'

E510275-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
Surrogate: n-Nonane		*88.1 %*	*61-141*	*10/23/25*	*10/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**26.9**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS48-0.5'

E510275-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
Surrogate: n-Nonane		*85.7 %*	*61-141*	*10/23/25*	*10/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**89.6**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS49-0.5'

E510275-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
Surrogate: n-Nonane		*84.2 %*	*61-141*	*10/23/25*	*10/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**67.2**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS50-1'

E510275-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.5 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
Surrogate: n-Nonane		*81.8 %*	*61-141*	*10/23/25*	*10/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**68.5**	20.0	1	10/23/25	10/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

FS51-1'

E510275-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2543100
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*10/23/25*	*10/24/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543098
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
Surrogate: n-Nonane		*83.0 %*	*61-141*	*10/23/25*	*10/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543099
Chloride	**30.4**	20.0	1	10/23/25	10/24/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2543100-BLK1)									Prepared: 10/23/25 Analyzed: 10/23/25
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	*8.20*		*8.00*		*103*	*70-130*			
LCS (2543100-BS1)									Prepared: 10/23/25 Analyzed: 10/23/25
Benzene	4.72	0.0250	5.00		94.5	70-130			
Ethylbenzene	4.57	0.0250	5.00		91.4	70-130			
Toluene	4.65	0.0250	5.00		92.9	70-130			
o-Xylene	4.66	0.0250	5.00		93.3	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	14.0	0.0250	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.44*		*8.00*		*106*	*70-130*			
Matrix Spike (2543100-MS1)				**Source: E510275-02**					Prepared: 10/23/25 Analyzed: 10/24/25
Benzene	5.04	0.0250	5.00	ND	101	70-130			
Ethylbenzene	4.87	0.0250	5.00	ND	97.5	70-130			
Toluene	4.95	0.0250	5.00	ND	99.0	70-130			
o-Xylene	4.96	0.0250	5.00	ND	99.1	70-130			
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.45*		*8.00*		*106*	*70-130*			
Matrix Spike Dup (2543100-MSD1)				**Source: E510275-02**					Prepared: 10/23/25 Analyzed: 10/24/25
Benzene	5.37	0.0250	5.00	ND	107	70-130	6.24	27	
Ethylbenzene	5.19	0.0250	5.00	ND	104	70-130	6.21	26	
Toluene	5.26	0.0250	5.00	ND	105	70-130	6.16	20	
o-Xylene	5.28	0.0250	5.00	ND	106	70-130	6.35	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	6.25	23	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	6.29	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.55*		*8.00*		*107*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2543100-BLK1)									Prepared: 10/23/25 Analyzed: 10/23/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.12*		*8.00*		*89.0*	*70-130*			
LCS (2543100-BS2)									Prepared: 10/23/25 Analyzed: 10/24/25
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.8*	*70-130*			
Matrix Spike (2543100-MS2)				**Source: E510275-02**					Prepared: 10/23/25 Analyzed: 10/24/25
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			
Matrix Spike Dup (2543100-MSD2)				**Source: E510275-02**					Prepared: 10/23/25 Analyzed: 10/24/25
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.1	70-130	1.44	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

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 (2543098-BLK1)									Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.1*		*50.0*		*84.2*	*61-141*			
LCS (2543098-BS1)									Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	239	25.0	250		95.4	66-144			
Surrogate: n-Nonane	*41.4*		*50.0*		*82.8*	*61-141*			
Matrix Spike (2543098-MS1)				**Source: E510275-08**					Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.1	56-156			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.7*	*61-141*			
Matrix Spike Dup (2543098-MSD1)				**Source: E510275-08**					Prepared: 10/23/25 Analyzed: 10/23/25
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.0	56-156	2.17	20	
Surrogate: n-Nonane	*41.1*		*50.0*		*82.2*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 8:30:08AM

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 (2543099-BLK1)									Prepared: 10/23/25 Analyzed: 10/23/25
Chloride	ND	20.0							
LCS (2543099-BS1)									Prepared: 10/23/25 Analyzed: 10/24/25
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2543099-MS1)				**Source: E510275-05**					Prepared: 10/23/25 Analyzed: 10/24/25
Chloride	268	20.0	250	ND	107	80-120			
Matrix Spike Dup (2543099-MSD1)				**Source: E510275-05**					Prepared: 10/23/25 Analyzed: 10/24/25
Chloride	268	20.0	250	ND	107	80-120	0.154	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:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/25 08:30

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

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: ~~San Mateo~~ HEC Mewbourne	Company: Ensolum LLC	Lab WO# E510275	Job Number 23003-0002	1D 2D 3D Std: x	NM: X CO UT TX
Project Name: Big Moose Test Separator 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		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
0855	10/21/2025	S	1	FS01-0.5'		1									X			5.6	
0857	10/21/2025	S	1	FS02-0.5'		2									X			5.8	
0901	10/21/2025	S	1	FS04-0.5'		3									X			5.5	
0903	10/21/2025	S	1	FS07-0.5'		4									X			5.9	
0905	10/21/2025	S	1	FS08-0.5'		5									X			4.9	
0910	10/21/2025	S	1	FS12-0.5'		6									X			4.4	
0907	10/21/2025	S	1	FS17-0.5'		7									X			5.2	
0844	10/21/2025	S	1	FS19-1'		8									X			5.1	
1210	10/21/2025	S	1	FS26-0.5'		9									X			5.3	
1211	10/21/2025	S	1	FS31-0.5'		10									X			4.3	

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

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
	10-22-25			10.22.25	1145
	10-22-25	1433		10/22/25	1433
	10/22/25	2045	Andrew Musso	10.22.25	2045
Andrew Musso	10.23.25	0100		10.23.25	815

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

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: ~~San Mateo~~ Harvest Midstream	Company: Ensolum LLC	Lab WO# E510275	Job Number 23003-0002	1D 2D 3D Std: x	NM: X CO UT TX
Project Name: Big Moose Test Separator 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		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1220	10/21/2025	S	1	FS33-0.5'		11									X			3.8	
1225	10/21/2025	S	1	FS38-0.5'		12									X			5.1	
1352	10/21/2025	S	1	FS45-0.5'		13									X			3.1	
1350	10/21/2025	S	1	FS46-0.5'		14									X			3.8	
1410	10/21/2025	S	1	FS47-0.5'		15									X			3.7	
1354	10/21/2025	S	1	FS48-0.5'		16									X			4.0	
1356	10/21/2025	S	1	FS49-0.5'		17									X			5.6	
1332	10/21/2025	S	1	FS50-1'		18									X			5.0	
1335	10/21/2025	S	1	FS51-1'		19									X			5.5	

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: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-22-25			10.22.25	1145
	10.22.25	1433		10/22/25	1433
	10/22/25	2045	Andrew Musso	10.22.25	2045
Andrew Musso	10.23.25	0100		10.23.25	815

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: 10/23/2025 9:58:50AM

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:	10/23/25 08:15	Work Order ID:	E510275
Phone:	(972) 371-5200	Date Logged In:	10/22/25 15:12	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/29/25 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:	Big Moose Test Separator Pad
Work Order:	E510292
Job Number:	23003-0002
Received:	10/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/30/25

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: 10/30/25

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

Project Name: Big Moose Test Separator Pad
Workorder: E510292
Date Received: 10/27/2025 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2025 5:00:00AM, under the Project Name: Big Moose Test Separator Pad.

The analytical test results summarized in this report with the Project Name: Big Moose Test Separator 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

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Michelle Gonzales
Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/25 10:22

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS34-0.5'	E510292-01A	Soil	10/22/25	10/27/25	Glass Jar, 2 oz.
FS35-0.5'	E510292-02A	Soil	10/22/25	10/27/25	Glass Jar, 2 oz.
FS36-0.5'	E510292-03A	Soil	10/22/25	10/27/25	Glass Jar, 2 oz.
FS39-0.5'	E510292-04A	Soil	10/22/25	10/27/25	Glass Jar, 2 oz.
FS40-0.5'	E510292-05A	Soil	10/22/25	10/27/25	Glass Jar, 2 oz.
FS41-0.5'	E510292-06A	Soil	10/22/25	10/27/25	Glass Jar, 2 oz.
FS42-0.5'	E510292-07A	Soil	10/22/25	10/27/25	Glass Jar, 2 oz.
FS43-0.5'	E510292-08A	Soil	10/22/25	10/27/25	Glass Jar, 2 oz.
FS44-0.5'	E510292-09A	Soil	10/22/25	10/27/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

FS34-0.5'

E510292-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Benzene	ND	0.0250	1	10/27/25	10/28/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/28/25	
Toluene	ND	0.0250	1	10/27/25	10/28/25	
o-Xylene	ND	0.0250	1	10/27/25	10/28/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/28/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543121
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/27/25	
Surrogate: n-Nonane		*98.1 %*	*61-141*	*10/24/25*	*10/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544015
Chloride	**2480**	20.0	1	10/27/25	10/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

FS35-0.5'

E510292-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Benzene	ND	0.0250	1	10/27/25	10/28/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/28/25	
Toluene	ND	0.0250	1	10/27/25	10/28/25	
o-Xylene	ND	0.0250	1	10/27/25	10/28/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/28/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543121
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/27/25	
Surrogate: n-Nonane		*97.6 %*	*61-141*	*10/24/25*	*10/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544015
Chloride	ND	20.0	1	10/27/25	10/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

FS36-0.5'

E510292-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Benzene	ND	0.0250	1	10/27/25	10/28/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/28/25	
Toluene	ND	0.0250	1	10/27/25	10/28/25	
o-Xylene	ND	0.0250	1	10/27/25	10/28/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/28/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.4 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543121
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/27/25	
Surrogate: n-Nonane		*97.9 %*	*61-141*	*10/24/25*	*10/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544015
Chloride	**3150**	40.0	2	10/27/25	10/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

FS39-0.5'

E510292-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Benzene	ND	0.0250	1	10/27/25	10/28/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/28/25	
Toluene	ND	0.0250	1	10/27/25	10/28/25	
o-Xylene	ND	0.0250	1	10/27/25	10/28/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/28/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.5 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543121
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/27/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*10/24/25*	*10/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544015
Chloride	**1430**	20.0	1	10/27/25	10/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

FS40-0.5'

E510292-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Benzene	ND	0.0250	1	10/27/25	10/28/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/28/25	
Toluene	ND	0.0250	1	10/27/25	10/28/25	
o-Xylene	ND	0.0250	1	10/27/25	10/28/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/28/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543121
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/27/25	
Surrogate: n-Nonane		*96.2 %*	*61-141*	*10/24/25*	*10/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544015
Chloride	**3410**	40.0	2	10/27/25	10/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

FS41-0.5'

E510292-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Benzene	ND	0.0250	1	10/27/25	10/28/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/28/25	
Toluene	ND	0.0250	1	10/27/25	10/28/25	
o-Xylene	ND	0.0250	1	10/27/25	10/28/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/28/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543121
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/27/25	
Surrogate: n-Nonane		*95.8 %*	*61-141*	*10/24/25*	*10/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544015
Chloride	ND	20.0	1	10/27/25	10/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

FS42-0.5'

E510292-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Benzene	ND	0.0250	1	10/27/25	10/28/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/28/25	
Toluene	ND	0.0250	1	10/27/25	10/28/25	
o-Xylene	ND	0.0250	1	10/27/25	10/28/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/28/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543121
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/27/25	
Surrogate: n-Nonane		*98.7 %*	*61-141*	*10/24/25*	*10/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544015
Chloride	**2580**	20.0	1	10/27/25	10/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

FS43-0.5'

E510292-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Benzene	ND	0.0250	1	10/27/25	10/28/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/28/25	
Toluene	ND	0.0250	1	10/27/25	10/28/25	
o-Xylene	ND	0.0250	1	10/27/25	10/28/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/28/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543121
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/28/25	
Surrogate: n-Nonane		*97.3 %*	*61-141*	*10/24/25*	*10/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544015
Chloride	ND	20.0	1	10/27/25	10/28/25	

Sample Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

FS44-0.5'

E510292-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Benzene	ND	0.0250	1	10/27/25	10/28/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/28/25	
Toluene	ND	0.0250	1	10/27/25	10/28/25	
o-Xylene	ND	0.0250	1	10/27/25	10/28/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/28/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2544019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*10/27/25*	*10/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2543121
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/28/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*10/24/25*	*10/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544015
Chloride	ND	20.0	1	10/27/25	10/28/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

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 (2544019-BLK1)									Prepared: 10/27/25 Analyzed: 10/27/25
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	*7.29*		*8.00*		*91.1*	*70-130*			
LCS (2544019-BS1)									Prepared: 10/27/25 Analyzed: 10/27/25
Benzene	3.79	0.0250	5.00		75.8	70-130			
Ethylbenzene	3.57	0.0250	5.00		71.5	70-130			
Toluene	3.71	0.0250	5.00		74.2	70-130			
o-Xylene	3.67	0.0250	5.00		73.5	70-130			
p,m-Xylene	7.35	0.0500	10.0		73.5	70-130			
Total Xylenes	11.0	0.0250	15.0		73.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.41*		*8.00*		*92.6*	*70-130*			
Matrix Spike (2544019-MS1)				**Source: E510290-03**					Prepared: 10/27/25 Analyzed: 10/27/25
Benzene	4.45	0.0250	5.00	ND	89.0	70-130			
Ethylbenzene	4.19	0.0250	5.00	ND	83.8	70-130			
Toluene	4.35	0.0250	5.00	ND	87.0	70-130			
o-Xylene	4.28	0.0250	5.00	ND	85.6	70-130			
p,m-Xylene	8.58	0.0500	10.0	ND	85.8	70-130			
Total Xylenes	12.9	0.0250	15.0	ND	85.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.54*		*8.00*		*94.2*	*70-130*			
Matrix Spike Dup (2544019-MSD1)				**Source: E510290-03**					Prepared: 10/27/25 Analyzed: 10/27/25
Benzene	5.01	0.0250	5.00	ND	100	70-130	11.8	27	
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	70-130	11.9	26	
Toluene	4.90	0.0250	5.00	ND	98.1	70-130	11.9	20	
o-Xylene	4.80	0.0250	5.00	ND	96.1	70-130	11.5	25	
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	70-130	11.6	23	
Total Xylenes	14.4	0.0250	15.0	ND	96.3	70-130	11.6	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.41*		*8.00*		*92.6*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

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 (2544019-BLK1)									Prepared: 10/27/25 Analyzed: 10/27/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2544019-BS2)									Prepared: 10/27/25 Analyzed: 10/27/25
Gasoline Range Organics (C6-C10)	36.2	20.0	50.0		72.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.8*	*70-130*			
Matrix Spike (2544019-MS2)				**Source: E510290-03**					Prepared: 10/27/25 Analyzed: 10/29/25
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.31*		*8.00*		*91.4*	*70-130*			
Matrix Spike Dup (2544019-MSD2)				**Source: E510290-03**					Prepared: 10/27/25 Analyzed: 10/28/25
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.5	70-130	7.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.5*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

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 (2543121-BLK1)									Prepared: 10/24/25 Analyzed: 10/27/25
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 (2543121-BS1)									Prepared: 10/24/25 Analyzed: 10/27/25
Diesel Range Organics (C10-C28)	266	25.0	250		106	66-144			
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*61-141*			
Matrix Spike (2543121-MS1)				**Source: E510292-06**					Prepared: 10/24/25 Analyzed: 10/27/25
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	*47.6*		*50.0*		*95.2*	*61-141*			
Matrix Spike Dup (2543121-MSD1)				**Source: E510292-06**					Prepared: 10/24/25 Analyzed: 10/27/25
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156	1.14	20	
Surrogate: n-Nonane	*48.2*		*50.0*		*96.5*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Big Moose Test Separator Pad	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:22:52AM

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 (2544015-BLK1)									Prepared: 10/27/25 Analyzed: 10/28/25
Chloride	ND	20.0							
LCS (2544015-BS1)									Prepared: 10/27/25 Analyzed: 10/28/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2544015-MS1)				**Source: E510288-04**					Prepared: 10/27/25 Analyzed: 10/28/25
Chloride	735	20.0	250	452	113	80-120			
Matrix Spike Dup (2544015-MSD1)				**Source: E510288-04**					Prepared: 10/27/25 Analyzed: 10/28/25
Chloride	734	20.0	250	452	113	80-120	0.0504	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:	Big Moose Test Separator Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/25 10:22

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

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E510292	1D 2D 3D Std	NM CO UT TX
Project Name: Big Moose Test Separator Pad	Address: 3122 National Parks Hwy	Job Number 23C08-0002	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		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Samle Temp	Remarks
0920	10/22/2025	S	1	FS34-0.5'		1									X			5.1	
0921	10/22/2025	S	1	FS35-0.5'		2									X			5.5	
0912	10/22/2025	S	1	FS36-0.5'		3									X			5.3	
0901	10/22/2025	S	1	FS39-0.5'		4									X			4.7	
0907	10/22/2025	S	1	FS40-0.5'		5									X			4.8	
0905	10/22/2025	S	1	FS41-0.5'		6									X			5.2	
0910	10/22/2025	S	1	FS42-0.5'		7									X			5.6	
0923	10/22/2025	S	1	FS43-0.5'		8									X			5.6	
0926	10/22/2025	S	1	FS44-0.5'		9									X			5.3	

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

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
	10-23-25			10.23.25	911
	10.23.25	1456	Marissa Gonzales	10-23-25	1600
Marissa Gonzales	10-23-25	1930	Andrew Musso	10.23.25	1930
Andrew Musso	10.24.25	0230		10-27-25	0500

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: 10/27/2025 9:36:53AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	10/27/25 05:00	Work Order ID:	E510292
Phone:	(972) 371-5200	Date Logged In:	10/23/25 15:46	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	10/30/25 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	

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.

ENSOLUM

APPENDIX E

NMOCD Correspondence

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 503923

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 503923
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Big Moose Test Separator Pad
Date Release Discovered	09/08/2025
Surface Owner	Federal

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: Normal Operations | Other (Specify) | Crude Oil | Released: 83 BBL | Recovered: 53 BBL | Lost: 30 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)	4-inch trunk line developed a 1-inch hole in piping causing a release onto the Test separator Pad

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: 503923
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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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: 503923
	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.

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 503923
	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.	9/8/2025

Impacted Soil On-Pad
Saturated Soil (inches)
0.75
Area (sq. ft.)
20,358
Standing fluids
inches of standing fluid
0
bbl estimate of standing fluids
barrels recovered (if known)
53
Soil type
pad caliche
Spill type
oil/produced water
Barrel estimate in soil
30.2
Barrel estimate (standing fluids/ recovered+in soil)
83.2

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QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504269
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2525153709**
Incident Name	**NAPP2525153709 BIG MOOSE TEST SEPARATOR PAD @ FAPP2203326222**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fAPP2203326222] Big Moose Fed Facility Tank Battery**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BIG MOOSE TEST SEPARATOR PAD
Date Release Discovered	09/08/2025
Surface Owner	Federal

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: Normal Operations | Other (Specify) | Crude Oil | Released: 83 BBL | Recovered: 53 BBL | Lost: 30 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)	4-inch trunk line developed a 1-inch hole in piping causing a release onto the Test separator Pad

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504269
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/09/2025

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504269
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 504269
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	9/9/2025

Impacted Soil On-Pad
Saturated Soil (inches)
0.75
Area (sq. ft.)
20,358
Standing fluids
inches of standing fluid
0
bbl estimate of standing fluids
barrels recovered (if known)
53
Soil type
pad caliche
Spill type
oil/produced water
Barrel estimate in soil
30.2
Barrel estimate (standing fluids/ recovered+in soil)
83.2

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QUESTIONS

Action 504269

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504269
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2525153709**
Incident Name	**NAPP2525153709 BIG MOOSE TEST SEPARATOR PAD @ FAPP2203326222**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fAPP2203326222] Big Moose Fed Facility Tank Battery**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BIG MOOSE TEST SEPARATOR PAD
Date Release Discovered	09/08/2025
Surface Owner	Federal

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: Normal Operations | Other (Specify) | Crude Oil | Released: 83 BBL | Recovered: 53 BBL | Lost: 30 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)	4-inch trunk line developed a 1-inch hole in piping causing a release onto the Test separator Pad

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504269
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 09/09/2025

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504269
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 504269
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	9/9/2025

From:	Jason Touchet
To:	CFO_Spill, BLM_NM; Morgan, Crisha A
Cc:	Arsenio Jones; Ashley Giovengo; Chad Hamilton
Subject:	Major Undesirable Notification - Matador Production Company - Big Moose Test Separator Pad
Date:	Tuesday, September 9, 2025 11:21:25 AM
Attachments:	Big Moose Test Separator Pad - Spill Volume Calculator.pdf

[**EXTERNAL EMAIL**]

Greetings,

On September 8, 2025, a 4-inch trunk line developed a hole due to corrosion causing a release at the Big Moose Test Separator Pad. The source of the leak has been isolated, and the equipment has been repaired. The crude oil release impacted an area on-pad approximately 20,358 square feet in size. Please see the Incident details listed below.

Operator Name: Matador Production Company
Site Name: Big Moose Test Separator Pad
Lat/Long: 32.50035,-103.63604
PLSS: Unit M, Section 12, T 21S, R 32E
Volume Released: 83 bbls Crude Oil
Volume Recovered: 53 bbls Crude Oil
Incident Number: nAPP2525153709

Please let me know if you need any additional information.

Thanks,

Jason Touchet

EHS Specialist

Matador Resources Company

Cell: 337-652-3463

Email: jason.touchet@matadorresources.com

message or the information included herein. If you are not the intended recipient, please reply and notify the sender (only) and promptly delete the message.

From: Rodgers, Scott, EMNRD
To: Chad Hamilton
Cc: Jason Touchet; Ashley Giovengo
Subject: RE: [EXTERNAL] Confirmation Sampling Variance - Big Moose Test Separator Pad - Incident Number nAPP2525153709
Date: Tuesday, October 14, 2025 10:10:38 AM
Attachments: image006.png
image007.png
image008.png
image009.png

[**EXTERNAL EMAIL**]

The alternative confirmation sampling plan taking confirmation samples of no more than 400 square feet is approved. The acceptance of this alternative sampling plan 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; or if the location fails to revegetate properly. In addition, OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. If the applicable land managing agency does not agree and requires a more stringent sampling plan, the more stringent requirements must be met regardless of OCD's approval.

Thank you,
Scott

Scott Rodgers ● Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, October 13, 2025 2:46 PM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Confirmation Sampling Variance - Big Moose Test Separator Pad - Incident Number nAPP2525153709

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Big Moose Test Separator Pad (Site). On September 8, 2025, a 4-inch trunk line developed a hole resulting in the release of approximately 83 barrels (bbls) of crude oil onto the caliche pad; 53 bbls of crude oil were recovered from the release area; 30 bbls were unrecoverable. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on September 8, 2025, and subsequently the release was assigned (Incident Number nAPP2525153709). The release impacted an area approximately 20,453 square feet (sq. ft.) in size on Federally Owned Land managed by the Bureau of Land Management (BLM). The closest permitted groundwater well with available depth to groundwater data within the last 25 years is New Mexico Office of the State Engineer (NMOSE) soil boring, CP 1884 POD1, located at the Site; Soil boring CP 1884 POD1 is a monitoring well used to establish depth to water within a half-mile radius of the Site. The well has a reported depth to groundwater greater than 55 feet below ground surface (bgs) and a total depth of 55 feet bgs. A desktop review for potential site receptors has been completed, 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 an intermittent dry wash located approximately 2,699 feet southeast of the Site. The closest wetland is located approximately 1.45 miles southeast of the Site. The Site is located in a (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 1,000 mg/kg GRO+DRO, 2,500 mg/kg Total TPH and 10,000 mg/kg chloride.

Ensolum completed lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I on September 12, 2025 (see Table 1 and Table 1-CONT'D). Based on laboratory analytical results from delineation soil sampling results, the proposed excavation extent is 20,453 sq. ft. in size. 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 currently in the process of selecting a subcontractor for excavation activities and will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation soil sampling activities. Due to the size of the impacted area, and a regional 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 (nAPP2525153709).

Thanks,

Chad Hamilton
Project Geologist
940-923-0072

Ensolum, LLC

Sante Fe Main Office
Phone: (505) 476-3441

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Phone: (505) 629-6116

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QUESTIONS

Action 514479

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514479
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2525153709**
Incident Name	**NAPP2525153709 BIG MOOSE TEST SEPARATOR PAD @ FAPP2203326222**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2203326222] Big Moose Fed Facility Tank Battery**

Location of Release Source	
Site Name	**BIG MOOSE TEST SEPARATOR PAD**
Date Release Discovered	**09/08/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	20,453
What is the estimated number of samples that will be gathered	52
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/16/2025
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	32.50035,-103.63604

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 514479

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514479
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/13/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/13/2025

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QUESTIONS

Action 514489

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514489
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2525153709**
Incident Name	**NAPP2525153709 BIG MOOSE TEST SEPARATOR PAD @ FAPP2203326222**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2203326222] Big Moose Fed Facility Tank Battery**

Location of Release Source	
Site Name	**BIG MOOSE TEST SEPARATOR PAD**
Date Release Discovered	**09/08/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	20,453
What is the estimated number of samples that will be gathered	52
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2025
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	32.50035,-103.63604

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CONDITIONS

Action 514489

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514489
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/13/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/13/2025

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QUESTIONS

Action 514492

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514492
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2525153709**
Incident Name	**NAPP2525153709 BIG MOOSE TEST SEPARATOR PAD @ FAPP2203326222**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2203326222] Big Moose Fed Facility Tank Battery**

Location of Release Source	
Site Name	**BIG MOOSE TEST SEPARATOR PAD**
Date Release Discovered	**09/08/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	20,435
What is the estimated number of samples that will be gathered	52
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/20/2025
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	32.50035,-103.63604

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514492
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/13/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/13/2025

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QUESTIONS

Action 514496

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514496
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2525153709**
Incident Name	**NAPP2525153709 BIG MOOSE TEST SEPARATOR PAD @ FAPP2203326222**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2203326222] Big Moose Fed Facility Tank Battery**

Location of Release Source	
Site Name	**BIG MOOSE TEST SEPARATOR PAD**
Date Release Discovered	**09/08/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	20,453
What is the estimated number of samples that will be gathered	52
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/21/2025
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	32.50035,-103.63604

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514496
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/13/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/13/2025

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QUESTIONS

Action 514501

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514501
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2525153709**
Incident Name	**NAPP2525153709 BIG MOOSE TEST SEPARATOR PAD @ FAPP2203326222**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2203326222] Big Moose Fed Facility Tank Battery**

Location of Release Source	
Site Name	**BIG MOOSE TEST SEPARATOR PAD**
Date Release Discovered	**09/08/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	20,453
What is the estimated number of samples that will be gathered	52
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/22/2025
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	32.50035,-103.63604

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CONDITIONS

Action 514501

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514501
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/13/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/13/2025

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QUESTIONS

Action 514505

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514505
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2525153709**
Incident Name	**NAPP2525153709 BIG MOOSE TEST SEPARATOR PAD @ FAPP2203326222**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2203326222] Big Moose Fed Facility Tank Battery**

Location of Release Source	
Site Name	**BIG MOOSE TEST SEPARATOR PAD**
Date Release Discovered	**09/08/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	20,453
What is the estimated number of samples that will be gathered	52
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/23/2025
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	32.50035,-103.63604

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514505
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/13/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/13/2025

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QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527386
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2525153709**
Incident Name	**NAPP2525153709 BIG MOOSE TEST SEPARATOR PAD @ FAPP2203326222**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2203326222] Big Moose Fed Facility Tank Battery**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BIG MOOSE TEST SEPARATOR PAD
Date Release Discovered	09/08/2025
Surface Owner	Federal

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: Normal Operations | Other (Specify) | Crude Oil | Released: 83 BBL | Recovered: 53 BBL | Lost: 30 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)	4-inch trunk line developed a 1-inch hole in piping causing a release onto the Test separator Pad

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527386
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 11/18/2025

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527386
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 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)	58400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	60733
GRO+DRO (EPA SW-846 Method 8015M)	41633
BTEX (EPA SW-846 Method 8021B or 8260B)	94
Benzene (EPA SW-846 Method 8021B or 8260B)	1
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	10/16/2025
On what date will (or did) the final sampling or liner inspection occur	10/22/2025
On what date will (or was) the remediation complete(d)	10/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	13200
What is the estimated volume (in cubic yards) that will be reclaimed	284
What is the estimated surface area (in square feet) that will be remediated	7158
What is the estimated volume (in cubic yards) that will be remediated	196
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.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527386
	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 disposal
(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: 11/18/2025
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.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527386
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527386
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**514505**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**10/23/2025**
What was the (estimated) number of samples that were to be gathered	**52**
What was the sampling surface area in square feet	**20453**

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	7158
What was the total volume (cubic yards) remediated	196
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	13200
What was the total volume (in cubic yards) reclaimed	284
Summarize any additional remediation activities not included by answers (above)	Excavation of impacted soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 55 feet bgs and no other sensitive receptors were identified near the release extent. Matador believes these remedial actions are protective of human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Number nAPP2525153709.

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 11/18/2025

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:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 527386
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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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: 527386
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	1/26/2026