ENSOLUM

February 11, 2026

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
Mama Joe Fed Com 133H
Incident Number nAPP2517526349
Eddy 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 Mama Joe Fed Com 133H (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 drilling fluids at the Site. Based on field observations, field screening activities, and laboratory analytical results from confirmation soil sampling activities, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and confirmation sampling activities that have occurred and requesting no further action for Incident Number nAPP2517526349.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 35, Township 22 South, Range 28 East, in Eddy County, New Mexico (32.34557°, -104.06133°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM).

On June 23, 2025, a Victaulic clamp on the suction manifold failed during drilling operations, which resulted in the release of 48 barrels (bbls) of drilling mud on pad; 45 bbls of drilling mud were recovered and 3 bbls were unrecoverable. Matador reported the release via Notification of Release (NOR) to the New Mexico Oil Conservation Division (NMOCD) on June 24, 2025, and submitted a Release Notification Form C-141 (Form C-141) on July 1, 2025. The Form C-141 can be referenced within the NMOCD Incident Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04688 POD1, located approximately 0.48 miles north of the release area. The well had a reported depth to water encountered at 64 feet below ground surface (bgs) and a

total depth of 84 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water or vegetation to suggest the Site is conducive to shallow groundwater. All wells used to establish depth to groundwater are depicted on Figure 1 and the referenced Well Record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 526 feet northwest 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 potentially underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

On December 3, 2025, Ensolum commissioned a geophysical karst survey using a BLM approved third-party cave/karst contractor. The karst survey was conducted by Southwest Geophysical Consulting, LLC, under the supervision of Dave Decker. The findings of the report indicated there was no evidence of karst features within 200 feet of the release or beneath the Site and determined the underlying geology appears to be stable. The karst survey report is included in Appendix B. Based on the findings of the karst survey, unstable geology and/or potential conduits to groundwater through karst features appear to be absent.

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 ACTIVITIES

Beginning on November 3, 2025, through November 20, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Preliminary soil samples SS01 through SS06 were collected at ground surface and 1-foot bgs to assess the lateral extent of the release area. Four boreholes (BH01 through BH04) were advanced within the release extent to assess the vertical extent of impacted soil; boreholes BH01 and BH03 were advanced to a depth of 2 feet bgs, borehole BH02 was advanced to a depth of 4 feet bgs, borehole BH04 was advanced to a depth of 1-foot bgs via hand auger and backhoe.

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

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 constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Ensolum personnel returned to the Site on January 12 and January 13, 2025, to oversee a surface scrape of the impacted area on pad and to collect confirmation soil samples within the release extent. The surface scrape was completed with a backhoe, skid steer, and belly dump trucks.

Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor of the release extent and 5-point composite soil samples representing no more than every 200 feet from the sidewalls of the excavation area that extended deeper than 1-foot bgs; in areas of the excavation that were not advanced to a depth of 1-foot bgs or deeper, the sidewalls are included in the composite floor samples. 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. Composite soil samples FS01 through FS55 were collected from the floor of the excavation at depths ranging from 0.5 feet to 1-foot bgs and composite sidewall soil sample SW01 was collected from the sidewall of the excavation at depths ranging from ground surface to 1-foot bgs. The confirmation soil samples were collected, handled, and analyzed following the same procedures as described above.

The final excavation extent measured approximately 10,862 square feet and approximately 280 cubic yards of waste-containing soil was hauled to Lea Land LLC. The release extent and confirmation soil sample locations are presented on Figure 3.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS06 indicated COCs were all in compliance with the Site Closure Criteria and the strictest Closure Criteria at ground surface and 1-foot bgs. Laboratory analytical results for boreholes BH01 and BH04 indicated all COCs were in compliance with the Site Closure Criteria at ground surface. Laboratory analytical results for borehole BH03 indicated all COCs were in compliance with the Site Closure Criteria at 0.5 feet bgs. Laboratory analytical results for borehole BH02 indicated all COCs were in compliance with the Site Closure Criteria at 1-foot bgs. Laboratory analytical results for boreholes BH01 and BH03 indicated all COCs were in compliance with the strictest Closure Criteria at 2 feet bgs. Laboratory analytical results for borehole BH02 indicated all COCs were in compliance with the strictest Closure Criteria at 3 feet bgs. Laboratory analytical results for borehole BH04 indicated all COCs were in compliance with the strictest Closure Criteria at 1-foot bgs.

Laboratory analytical results for all confirmation floor soil samples (FS01 through FS55) and sidewall sample (SW01) indicated COC concentrations were all in compliance with the Site Closure Criteria at depths ranging from ground surface to 1-foot bgs. Laboratory analytical results are summarized in Tables 1, and 2, and the complete laboratory analytical reports are included as Appendix E.

CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS06, collected at ground surface, and vertically by boreholes BH01 through BH04, collected at depths ranging from ground surface to 4 feet bgs. Confirmation floor

samples FS01 through FS55 and confirmation sidewall soil sample SW01, collected at depths ranging from ground surface to 1-foot bgs, were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2517526349.

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

Sincerely,
Ensolum, LLC

Chad Hamilton
Project Geologist

Daniel R. Moir, PG (licensed in WY & TX)
Associate Principal, Geologist

cc: Jason Touchet, Matador

Appendices:

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

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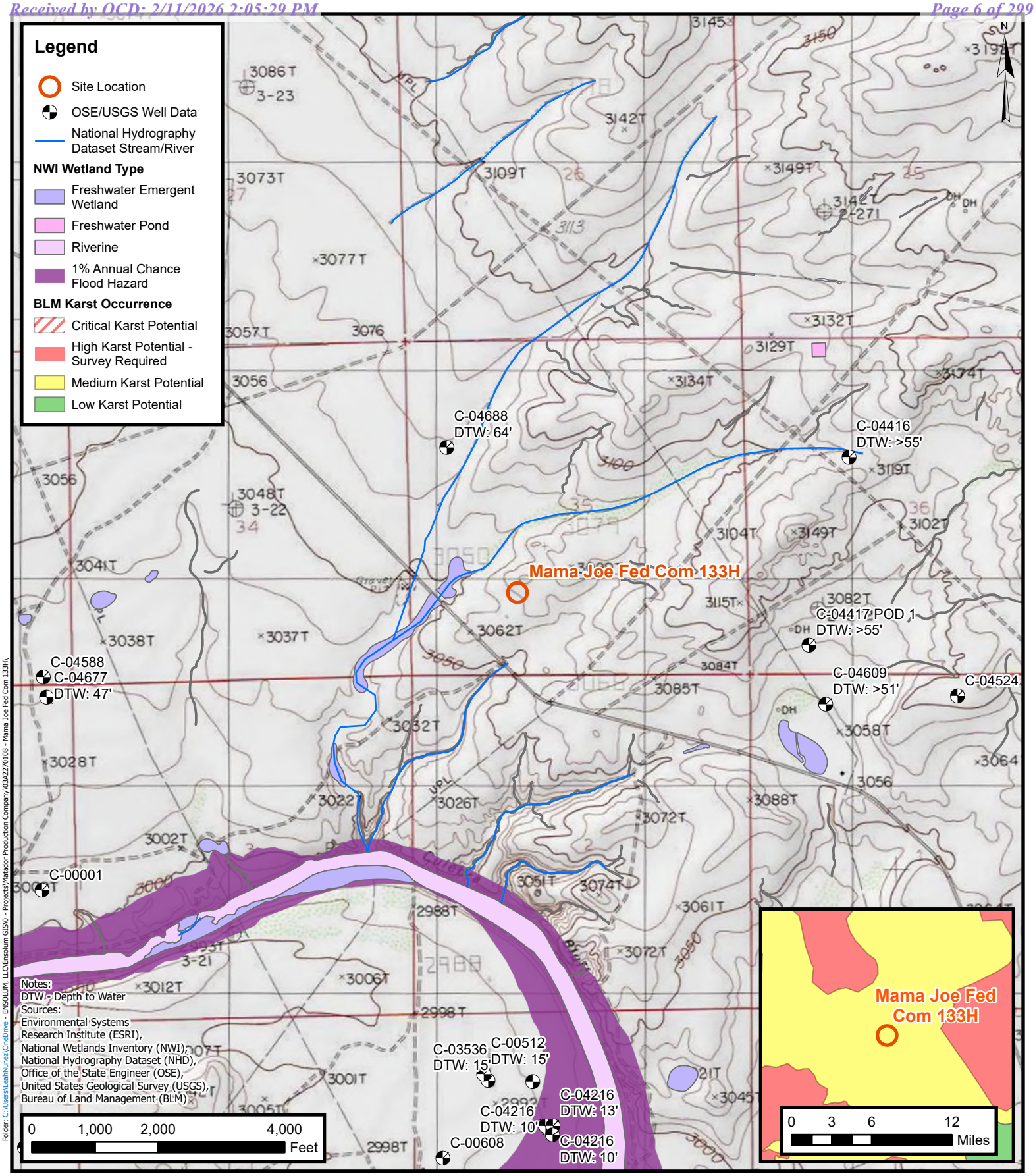
FIGURES



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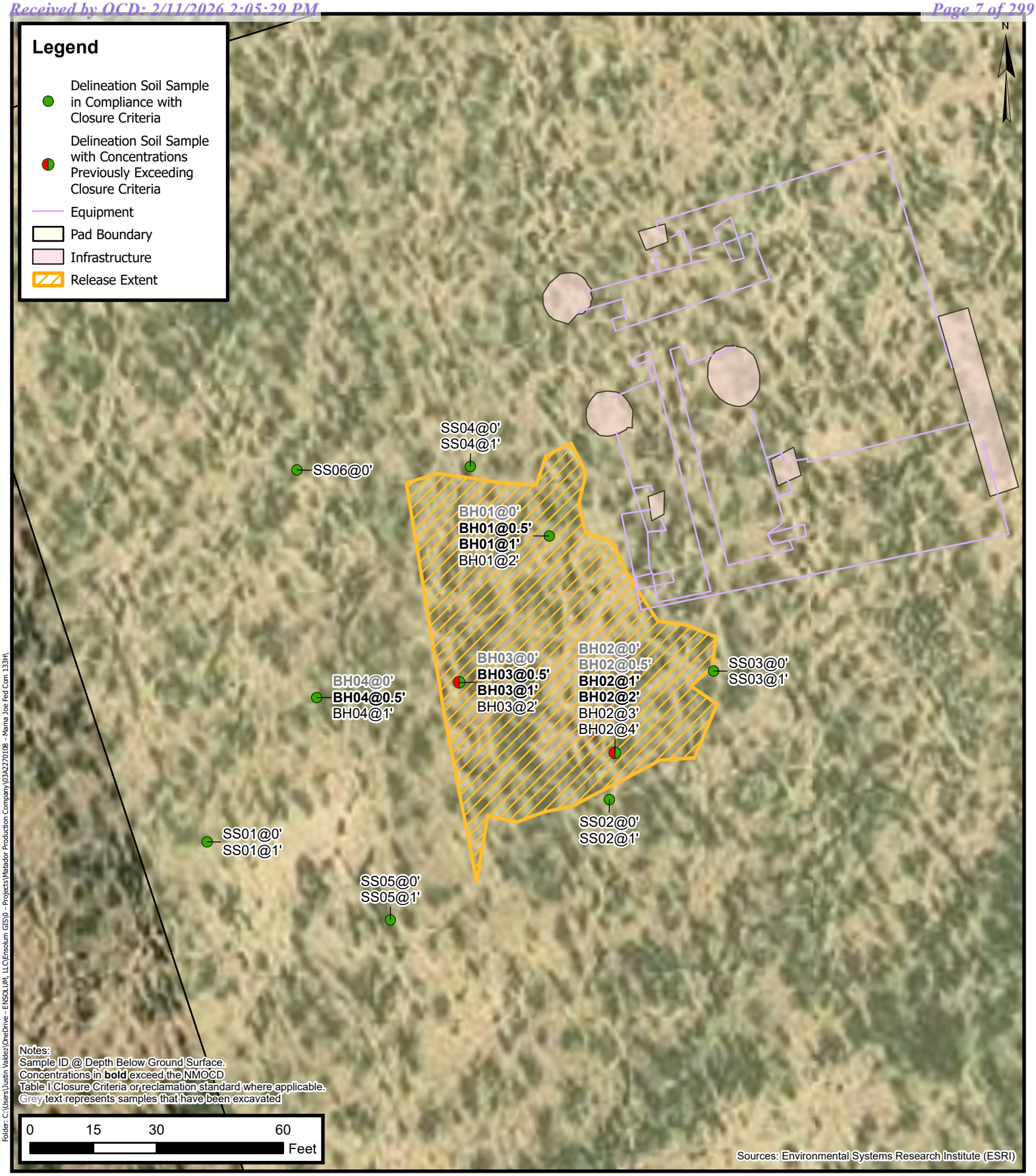
Site Receptor Map

Matador Production Company
Mama Joe Fed Com 133H
Incident Number: nAPP2517526349
Unit K, Section 35, T 22S, R 28E
Eddy County, New Mexico

FIGURE 1



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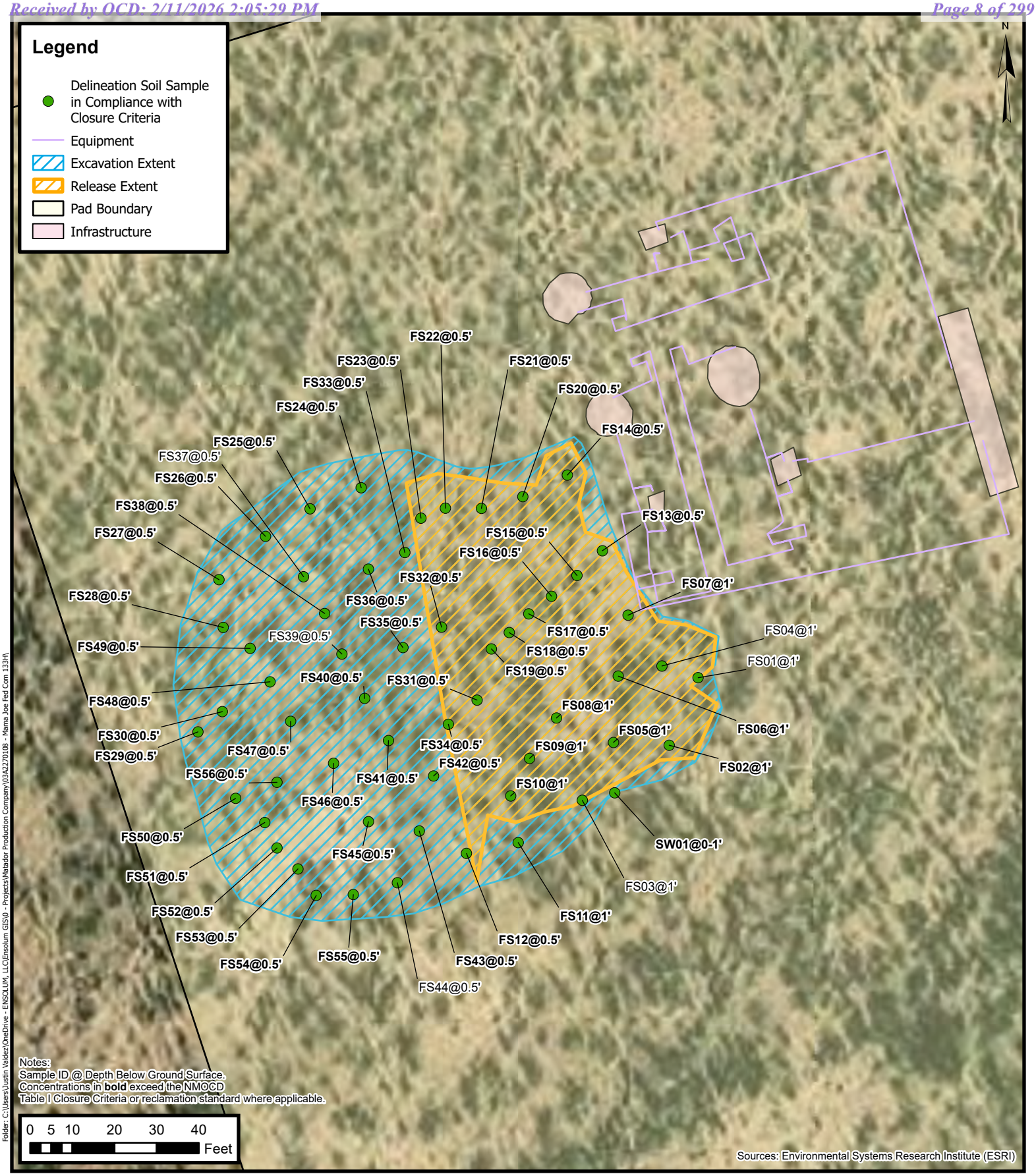
Delineation Soil Sample Locations

Matador Production Company
Mama Joe Fed Com 133H
Incident Number: nAPP2517526349
Unit K, Section 35, T 22S, R 28E
Eddy County, New Mexico

FIGURE 2



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Excavation Soil Sample Locations

Matador Production Company
Mama Joe Fed Com 133H
Incident Number: nAPP2517526349
Unit K, Section 35, T 22S, R 28E
Eddy County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Mama Joe Fed Com 133H
Matador Production Company
Eddy 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 Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
SS01	11/4/2025	0	<0.0250	<0.0500	<20.0	26.5	<50.0	26.5	<50.0	342
SS01	11/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	145
SS02	11/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	156
SS02	11/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
SS03	11/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	202
SS03	11/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.1
SS04	11/4/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	88.1
SS04	11/4/2025	1	<0.0250	<0.0500	<20.0	36.2	<50.0	36.2	<50.0	336
SS05	11/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	120
SS05	11/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.3
SS06	11/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	335
BH01	11/5/2025	0	<0.0250	<0.0500	<20.0	361	159	361	**520**	**3,180**
BH01	11/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**947**
BH01	11/5/2025	1	<0.0250	<0.0500	<20.0	437	163.0	437	**600**	**5,970**
BH01	11/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.5
BH02	11/5/2025	0	<0.0250	0.540	<20.0	13,800	4,430	**13,800**	**18,230**	**12,800**
BH02	11/5/2025	0.5	<0.0250	0.447	<20.0	5,530	638	**5,530**	**6,168**	**950**
BH02	11/5/2025	1	<0.0250	<0.0500	<20.0	37.1	<50.0	37.1	<50.0	**1,770**
BH02	11/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**705**
BH02	11/20/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
BH02	11/20/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.8

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TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Mama Joe Fed Com 133H
Matador Production Company
Eddy 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 Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
BH03	11/5/2025	0	<0.0250	0.141	<20.0	7,420	3,830	**7,420**	**11,250**	**6,320**
BH03	11/5/2025	0.5	<0.0250	<0.0500	<20.0	768	96.5	768	**865**	**2,780**
BH03	11/5/2025	1	<0.0250	<0.0500	<20.0	219	<50.0	219	**219**	551
BH03	11/5/2025	2	<0.0250	<0.0500	<20.0	38.2	<50.0	38.2	<50.0	62.7
BH04	11/5/2025	0	<0.0250	<0.0500	<20.0	68.4	162	68.4	**230**	**764**
BH04	11/5/2025	0.5	<0.0250	<0.0500	<20.0	206	419	206	**625**	**2,860**
BH04	11/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	163

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 Site 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 2
SOIL SAMPLE ANALYTICAL RESULTS
Mama Joe Fed Com #133H
Matador Production Company
Eddy 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 Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS01	1/13/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	195
FS02	1/13/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**1,310**
FS03	1/13/2026	1	<0.0250	<0.0500	<20.0	54.2	<50.0	54.2	54.2	446
FS04	1/13/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	476
FS05	1/13/2026	1	<0.0250	<0.0500	<20.0	214	<50.0	214	**214**	**1,110**
FS06	1/13/2026	1	<0.0250	<0.0500	<20.0	155	<50.0	155	**155**	**1,030**
FS07	1/13/2026	1	<0.0250	<0.0500	<20.0	85.4	<50.0	85.4	85.4	**1,070**
FS08	1/13/2026	1	<0.0250	<0.0500	<20.0	88.2	<50.0	88.2	88.2	**1,510**
FS09	1/13/2026	1	<0.0250	<0.0500	<20.0	451	<50.0	451	**451**	**1,890**
FS10	1/13/2026	1	<0.0250	<0.0500	<20.0	173	<50.0	173	**173**	**1,210**
FS11	1/13/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**733**
FS12	1/13/2026	0.5	<0.0250	<0.0500	<20.0	118	<50.0	118	**118**	**640**
FS13	1/12/2026	0.5	<0.0250	<0.0500	<20.0	34.6	<50.0	34.6	<50.0	**2,260**
FS14	1/12/2026	0.5	<0.0250	<0.0500	<20.0	492	283	492	**775**	**1,530**
FS15	1/12/2026	0.5	<0.0250	<0.0500	<20.0	230	93.3	230	**323**	**1,520**
FS16	1/12/2026	0.5	<0.0250	<0.0500	<20.0	156	82.2	156	**238**	**1,640**
FS17	1/12/2026	0.5	<0.0250	<0.0500	<20.0	439	85.3	439	**524**	**1,160**
FS18	1/12/2026	0.5	<0.0250	<0.0500	<20.0	581	138	581	**719**	**1,180**
FS19	1/12/2026	0.5	<0.0250	<0.0500	<20.0	332	53.1	332	**385**	**4,170**
FS20	1/12/2026	0.5	<0.0250	<0.0500	<20.0	218	101	218	**319**	**1,550**
FS21	1/12/2026	0.5	<0.0250	<0.0500	<20.0	108	<50.0	108	**108**	**2,040**
FS22	1/12/2026	0.5	<0.0250	<0.0500	<20.0	270	<50.0	270	**270**	**1,330**
FS23	1/12/2026	0.5	<0.0250	<0.0500	<20.0	35.9	<50.0	35.9	<50.0	**2,260**
FS24	1/12/2026	0.5	<0.0250	<0.0500	<20.0	687	108	687	**795**	**2,980**
FS25	1/12/2026	0.5	<0.0250	<0.0500	<20.0	766	121	766	**887**	**3,020**
FS26	1/12/2026	0.5	<0.0250	<0.0500	<20.0	273	101	273	**374**	**1,870**
FS27	1/13/2026	0.5	<0.0250	<0.0500	<20.0	52.2	<50.0	52.2	52.2	341
FS28	1/13/2026	0.5	<0.0250	<0.0500	<20.0	202	<50.0	202	**202**	**988**
FS29	1/13/2026	0.5	<0.0250	<0.0500	<20.0	346	<50.0	346	**346**	**1,200**

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TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Mama Joe Fed Com #133H
Matador Production Company
Eddy 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 Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS30	1/13/2026	0.5	<0.0250	<0.0500	<20.0	146	<50.0	146	**146**	**803**
FS31	1/12/2026	0.5	<0.0250	<0.0500	<20.0	109	<50.0	109	**109**	**2,150**
FS32	1/12/2026	0.5	<0.0250	<0.0500	<20.0	191	<50.0	191	**191**	**1,520**
FS33	1/12/2026	0.5	<0.0250	<0.0500	<20.0	486	305	486	**791**	**1,760**
FS34	1/12/2026	0.5	<0.0250	<0.0500	<20.0	168	<50.0	168	**168**	**1,080**
FS35	1/12/2026	0.5	<0.0250	<0.0500	<20.0	72.9	<50.0	72.9	72.9	**1,420**
FS36	1/12/2026	0.5	<0.0250	<0.0500	<20.0	223	101	223	**324**	**1,490**
FS37	1/13/2026	0.5	<0.0250	<0.0500	<20.0	61.1	<50.0	61.1	61.1	305
FS38	1/13/2026	0.5	<0.0250	<0.0500	<20.0	48.9	<50.0	48.9	<50.0	**602**
FS39	1/13/2026	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	385
FS40	1/13/2026	0.5	<0.0250	<0.0500	<20.0	83.4	<50.0	83.4	83.4	**606**
FS41	1/13/2026	0.5	<0.0250	<0.0500	<20.0	149	<50.0	149	**149**	**1,050**
FS42	1/13/2026	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**751**
FS43	1/13/2026	0.5	<0.0250	<0.0500	<20.0	120	<50.0	120	**120**	**632**
FS44	1/13/2026	0.5	<0.0250	<0.0500	<20.0	49.2	<50.0	49.2	<50.0	242
FS45	1/13/2026	0.5	<0.0250	<0.0500	<20.0	341	<50.0	341	**341**	**1,190**

ENSOLUM

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
Mama Joe Fed Com #133H
Matador Production Company
Eddy 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 Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS46	1/13/2026	0.5	<0.0250	<0.0500	<20.0	58.8	<50.0	58.8	58.8	**897**
FS47	1/13/2026	0.5	<0.0250	<0.0500	<20.0	201	<50.0	201	**201**	**1,060**
FS48	1/13/2026	0.5	<0.0250	<0.0500	<20.0	112	<50.0	112	**112**	**1,040**
FS49	1/13/2026	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**780**
FS50	1/13/2026	0.5	<0.0250	<0.0500	<20.0	264	<50.0	264	**264**	**1,350**
FS51	1/13/2026	0.5	<0.0250	<0.0500	<20.0	428	<50.0	428	**428**	**1,650**
FS52	1/13/2026	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**740**
FS53	1/13/2026	0.5	<0.0250	<0.0500	<20.0	134	<50.0	134	**134**	**638**
FS54	1/13/2026	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**770**
FS55	1/13/2026	0.5	<0.0250	<0.0500	<20.0	172	<50.0	172	**172**	**668**
Sidewall Soil Samples										
SW01	1/13/2026	0-1	<0.0250	<0.0500	<20.0	206	<50.0	206	**206**	**901**

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

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

ENSOLUM

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).
POD-1	n/a	C-4688

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Marathon Oil Permian LLC	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
4111 S. Tidwell Rd.	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	21	6.88	N
	LONGITUDE	104	3	53.60	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

NW SW NW Sec. 35 T22S R28E, NMPM

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)
12/27/2022	12/27/2022	Soil Boring	±84	±64

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

STATIC WATER LEVEL IN COMPLETED WELL (FT): 50.0

DATE STATIC MEASURED: 1/10/2023

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

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

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

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	84	Soil Boring	--	--	--	--	--

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

OSE DIL JAN 17 2023 am 9:34

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4688-POD 1	POD NO. 1	TRN NO. 739238	
LOCATION Mon 22.28.35.131		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	20	20	Caliche, consolidated , dry, white/tan	Y ✓ N	
20	30	10	Sand, fine-grained, poorly graded, dry, tan	Y ✓ N	
30	40	10	Sand, fine-grained, poorly graded, dry, reddish brown	Y ✓ N	
40	55	15	Clay, Stiff, dry, Reddish Brown	✓ Y N	
55	70	15	Sand, fine-grained, poorly graded, with clay, moist	✓ Y N	
70	84	14	Clay, lean, High Plasticity, with fine-grained sand, Reddish Brown, saturated	✓ 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: Pulled well material and plugged using Portland Type I/II neat cement using tremie pipe from total depth to surface.

OSE DII JAN 17 2023 AM 9:34

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

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

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

Jack Atkins — Jackie D. Atkins — 1/16/2023

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4688-POD 1	POD NO. 1	TRN NO. 739238	
LOCATION Mon 22.28.35.131		WELL TAG ID NO. N/A	PAGE 2 OF 2

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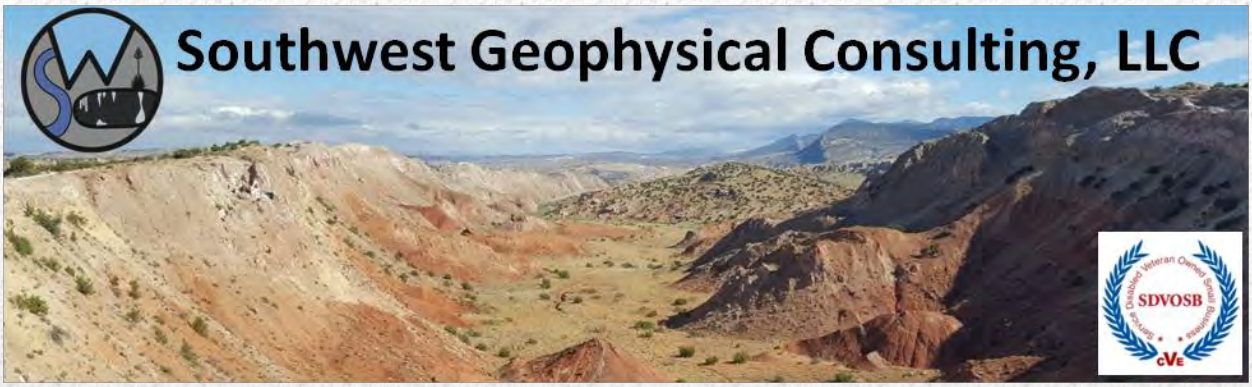
APPENDIX B

Karst Survey



Environmental Karst Study Report
Matador Mama Joe Fed Com 133H
Eddy County, New Mexico

Prepared For:

Ensolum, LLC
3122 National Parks Highway
Carlsbad, NM 88220

Within 200 feet of the spill delineation boundary:

☑ Negative ☐ Positive for surface karst

☑ Stable ☐ Unstable Ground

☐ Karst Monitor Recommended

December 18, 2025

ENS-031-20251203

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MMXXV

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1.0 INTRODUCTION

This report was commissioned by Ensolum, LLC (hereinafter referred to as "the client"), on December 3, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Matador Mama Joe Fed Com 133H project site (hereinafter termed “MJFC”) centered at N 32.345564° W 104.061328°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC[1]), and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions[2]) within 200 feet of the spill delineation boundary at the Matador Mama Joe Fed Com 133H site as provided by the client via e-mail (**MJFC_INF_UTM13.kmz**) on December 5, 2025, using electrical resistivity imaging[3].

1.2 Summary of Findings

- **No surface karst features exist within 200 feet (61 meters) of the spill delineation boundary.**
- **No anomalies consistent with subsurface air- or water-filled voids were found within the geophysical survey area, indicating the zone beneath the geophysical survey is not subject to collapse.**
- **Moderately well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground within the 200-foot survey boundary.**

1.3 Affected Environment

The MJFC project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **MEDIUM** karst occurrence zone (MKOZ)[5] (**Figure 1**).

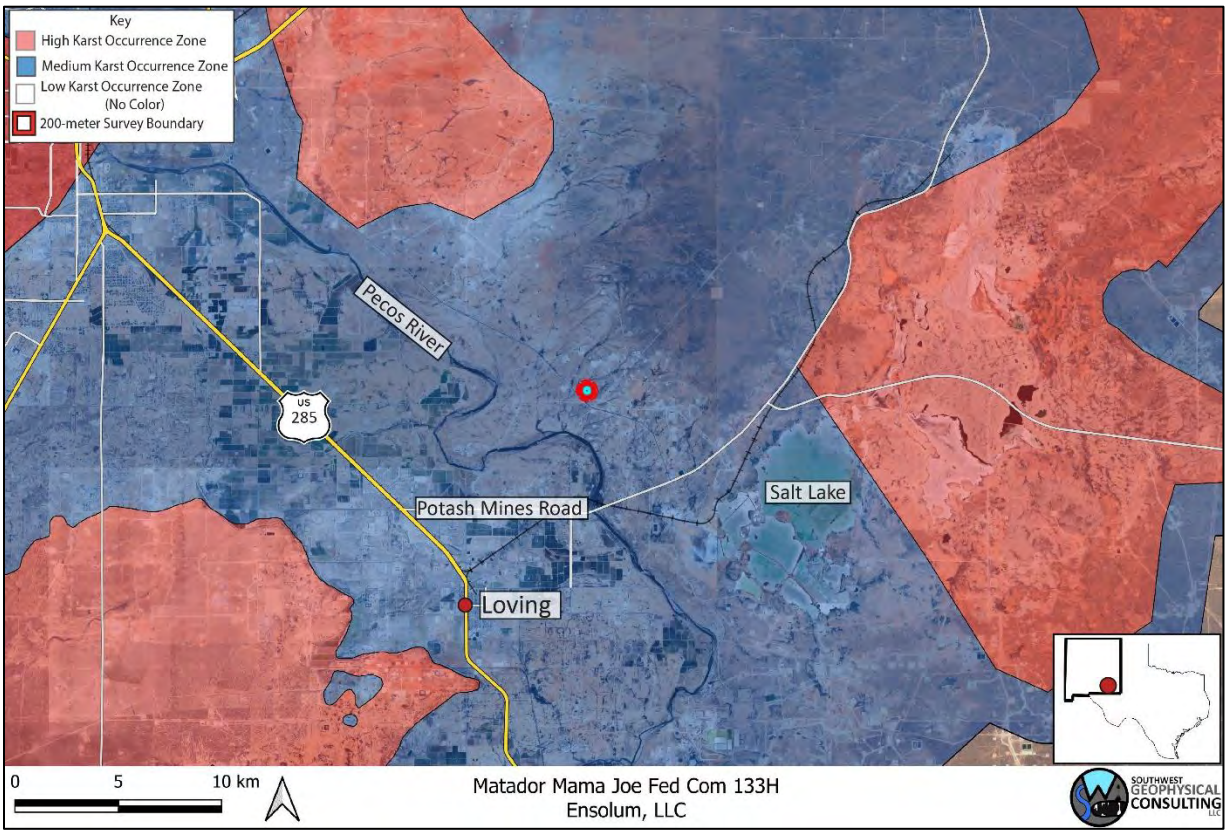

Figure 1: Karst occurrence zone overview. Background image: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

A medium karst occurrence zone is defined as an area in known soluble rock types that may have a shallow insoluble overburden. These areas may contain isolated karst features such as caves and sinkholes. Groundwater recharge may not be wholly dependent on karst features, but the karst features still provide the most rapid aquifer recharge in response to surface runoff [4].

Due to the rapidity with which evaporite karst develops, each location within a BLM-CFO-designated karst occurrence zone must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development each time a release occurs.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of Ensolum, LLC, in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results should be conducted in the field prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, information contained in this report is accurate at the date of issue; however, conditions on the site can change over a short period of time and, therefore, the information in this report should not be used beyond two years, and shall not be used beyond five years past the date of the imagery collection reported in section ***2.3 Description of Survey***, as per BLM guidelines. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located in Eddy County, New Mexico, 7.9 kilometers (4.9 miles) northeast of Loving, east of the Pecos River, and north of Potash Mines Road along U.S. Refinery Road. The release area is located within section 35 of NM T22S R28E[6] (**Figure 1** and **Figure 2**). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock[7] (see section ***2.2 Local Geology Summary*** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within an MKOZ[5] (**Figure 1**) and within BLM-CFO-managed land[10] (**Figure 2**).

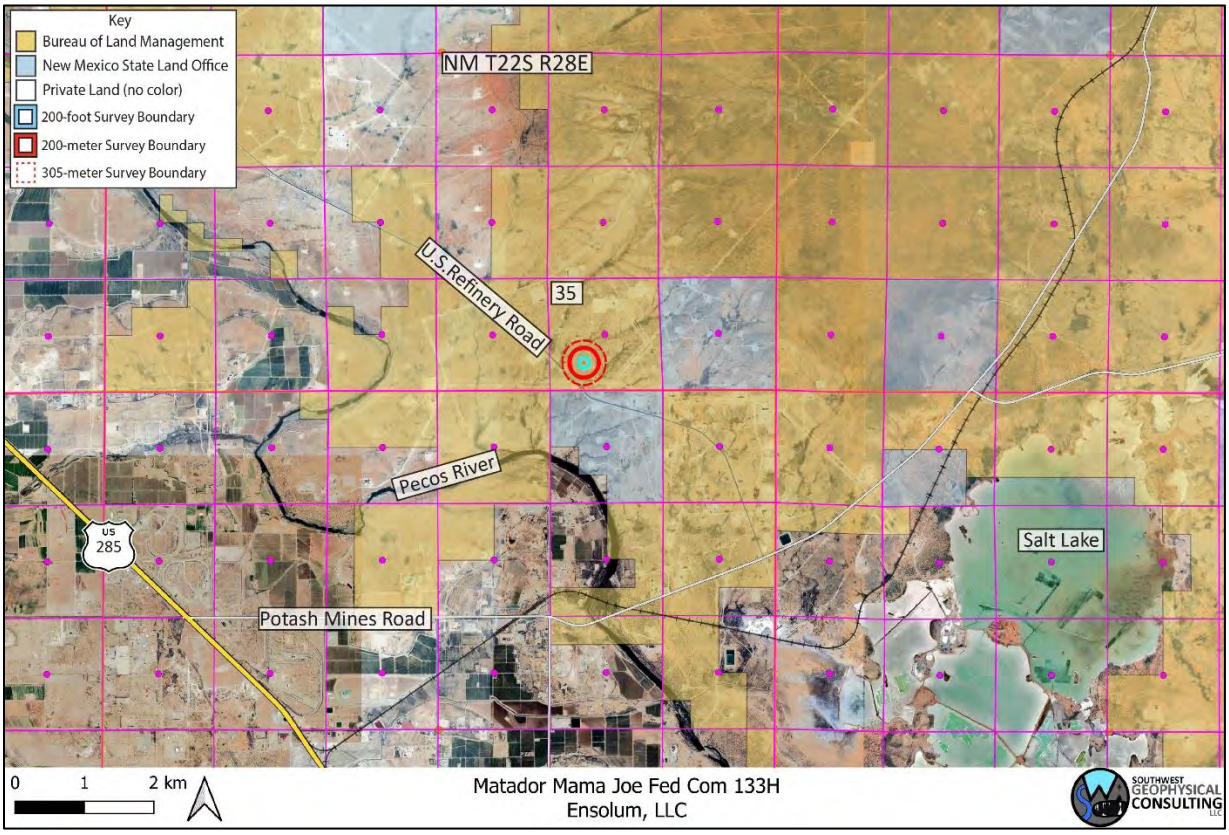

Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the MJFC survey is located at an elevation of 939 meters (3,081 feet), ± 4 meters (13 feet). This region is entirely underlain by the Permian Rustler (Pru) and Salado (Psl) Formations (Psl outcrops to the west of the region, so is not shown). The area is mantled by thin gypsiferous soils (gypsite), Quaternary piedmont deposits (Qp), and Quaternary alluvium (Qal)[11] up to 5 meters in depth (**Figure 3**).

The Rustler Formation is an evaporite facies composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite, and gypsum, and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members)[12].

The Pru overlies the Salado Formation, a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes, and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface[12]. The Rustler Formation may be subject to collapse if a void has developed beneath it in the Salado Formation[13].

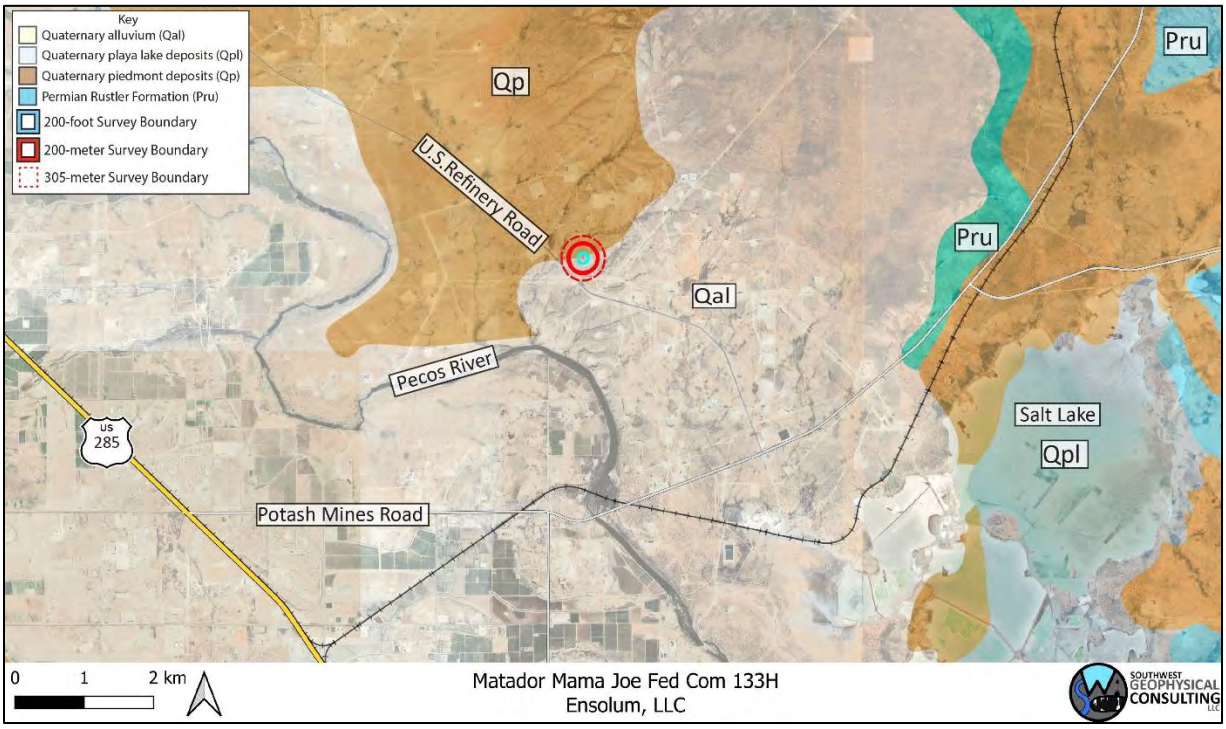

Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale[14] and the Digital Geologic Map of New Mexico in ARC/INFO Format[11].

2.3 Description of Survey

2.3.1 Surface Karst Survey

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides surface karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The surface karst survey includes a desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is typically performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance [1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated March 20, 2023 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated October 27, 2025[15]; the Loving, NM, 1:24,000 quad, 1985, USGS; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no karst feature within the 305-meter survey boundary.

Surface karst surveys are conducted by sUAS at low elevation within 200 meters of the spill delineation boundary[4] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report[16].

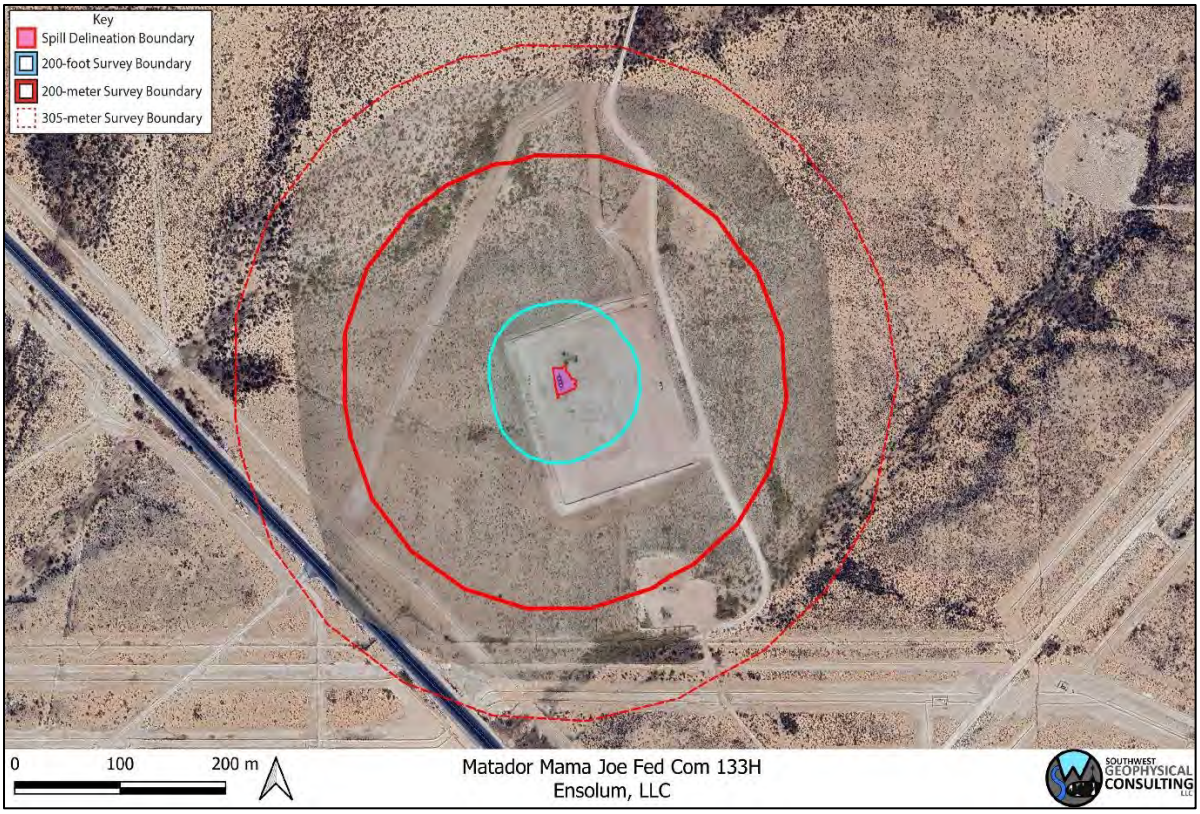

Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: March 20, 2023. Datum: WGS-84.

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on December 9, 2025. Surface karst features may have developed after these dates and will not be noted in this report. Imagery analysis was completed by Britt Bommer of Southwest Geophysical Consulting on December 17, 2025.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with an 8-channel switchbox, a 42-electrode line of 40-centimeter-long (1.3 feet) stainless-steel electrodes, and a tablet controller were used to image the subsurface. The Spill Delineation Boundary provided by the client was used to plan the resistivity line and define the survey boundaries. The MJFC survey consisted of a single resistivity line in a dipole-dipole configuration, with a 42-electrode line laid out south to north (MJFC01) at 5-meter electrode spacing, resulting in a single 205-meter-long line. (**Figure 5**, **Table 1**).

A preconfigured command file was used to run the data collection (DiDi42) which consisted of a dipole-dipole strong gradient survey. This electrode configuration provided a depth of investigation of up to 30 meters (98 feet) in this location at a resolution of 2.5 to 3.0 meters (8.2 to 9.8 feet) near the surface. A Leica GS18 GPS was used to record electrode locations and elevations. On this survey, the estimated horizontal error mean was 7 cm (2.75 inches), and the estimated vertical error mean was 12 cm (4.7 inches).

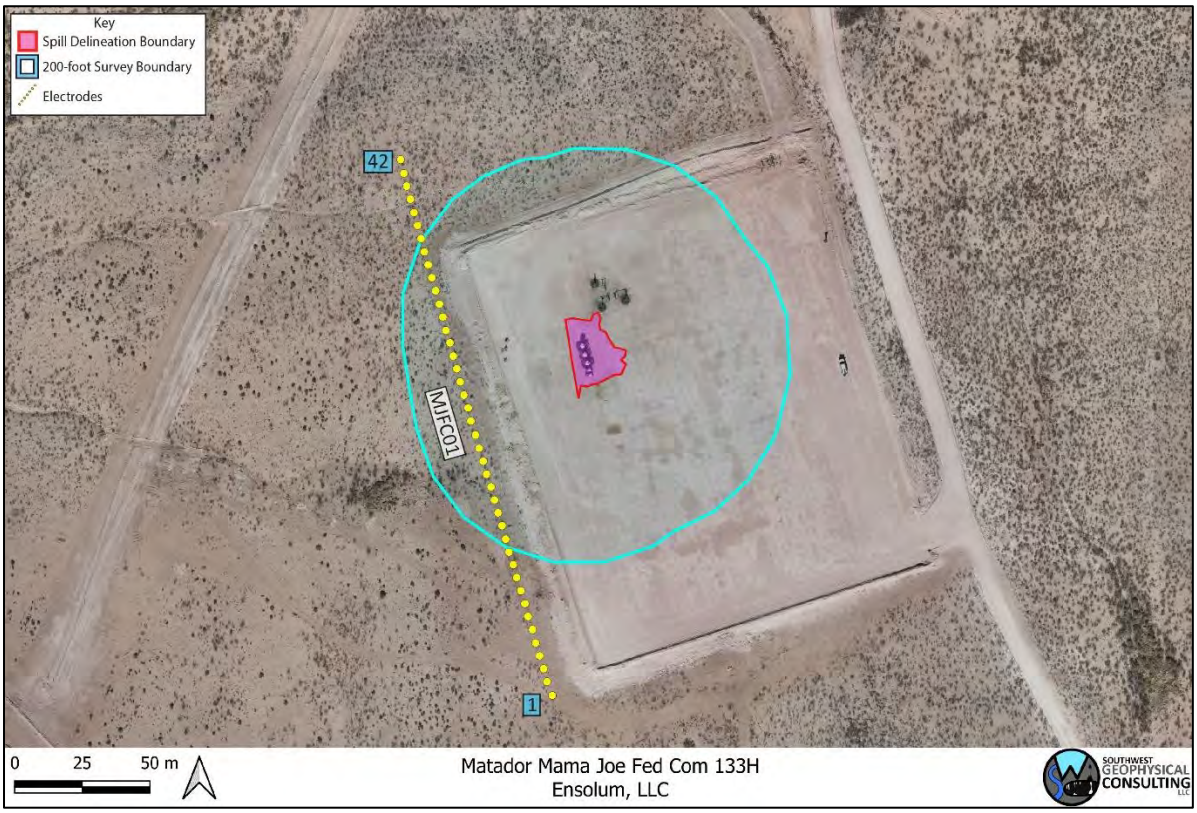

Figure 5: Geophysical survey overview. The survey line was conducted with 42 electrodes at 5-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information including electrode number, location in latitude/longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files MJFC_ERI_Points.xlsx and ENS-031-20251017_MJFC_Data_Files.kmz.

File Name:	Completed By:	Date:
MJFC01.kmz	Steven Kesler – Field Geologist Michael Jones – Field Geologist Aaron Beirl – Field Geologist	12/11/2025

EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of "stable" or "unstable" ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was "average apparent resistivity" and a default inversion setting of "surface," with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω-m) and a max apparent resistivity set to 100,000 Ω-m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager™ 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 kΩ-m Min Apparent Resistivity = 0.1 Ω-m

Note: Raw data files (.dat files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .dat files) are available upon request.

All resistivity field work, including setup, stow, and travel, was completed by Steven Kesler, Michael Jones, and Aaron Beirl on December 11, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed no surface karst features located within the 200-meter (656-foot)[1] survey area surrounding the spill delineation boundary (**Figure 6**).

No springs exist within the 305-meter (1,000-foot)[1] survey boundary (**Figure 6**).

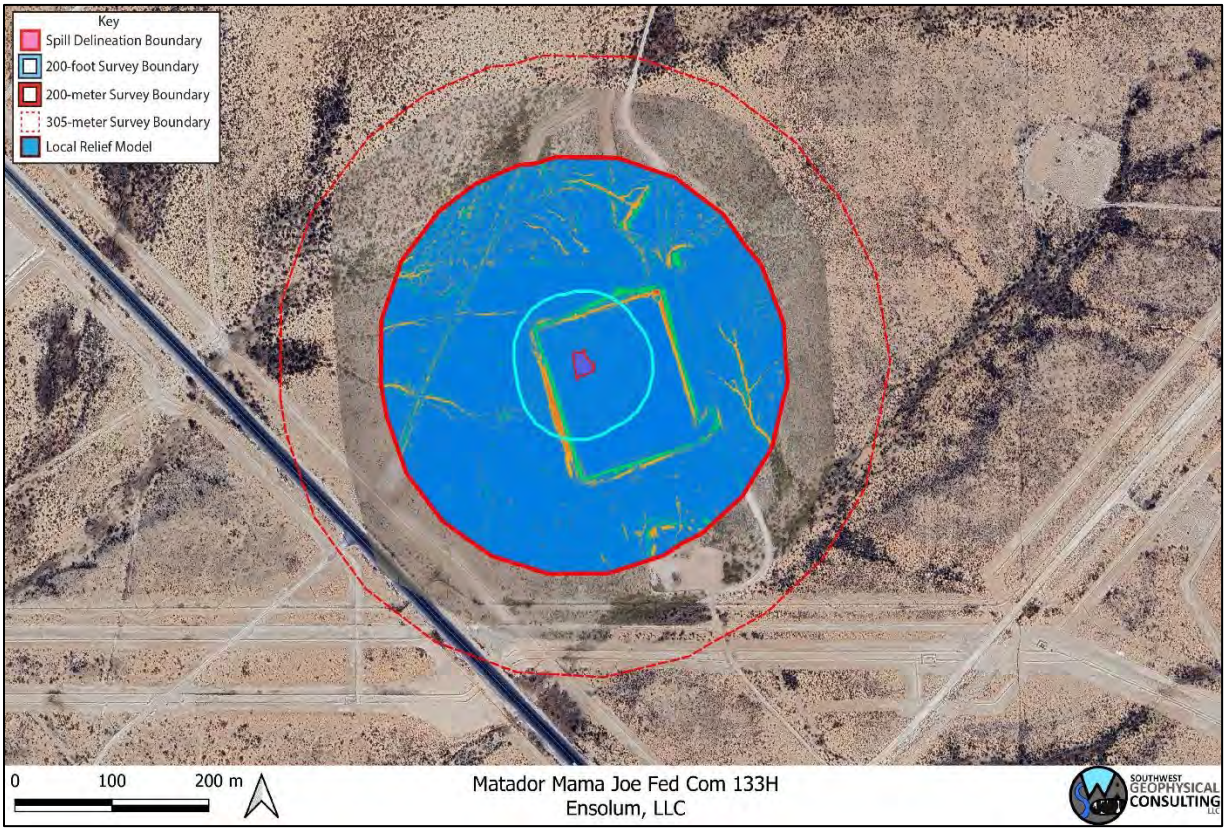

Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

Caution should be exercised while operating in or around all karst-related features due to the possibility of near-surface voids. Employing a BLM-CFO-approved karst monitor on site during these activities should be considered.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 7**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a moderately well-layered geologic system with low resistivities between 7.2 and 553 Ohm-m (**Figure 7**). Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

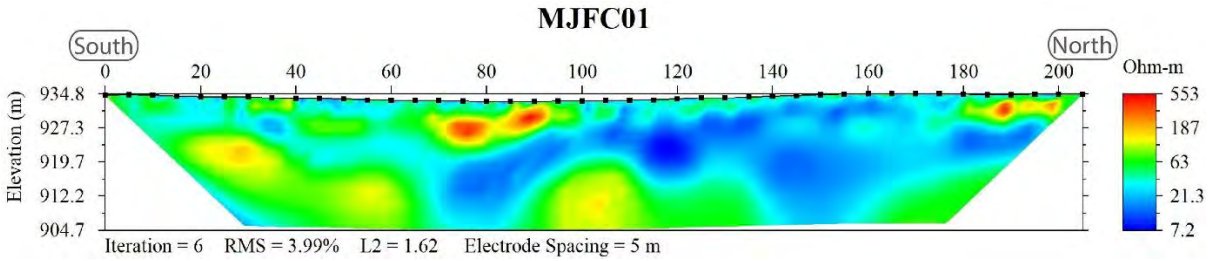

Figure 7: 2D inverted resistivity section MJFC01. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

4.0 DISCUSSION

No surface karst features exist within 200 meters of the spill delineation boundary.

No anomalies consistent with air-filled subsurface voids are found within the MJFC survey area. Small solutionally enlarged voids or fractures at or near the resolution limit of the survey (2.5 – 3.0 meters) may be present. Areas of high-resistivity (reds and oranges) near the surface are interpreted as dry gypsite soils and gypsum bedrock of the Rustler Formation[17] (**Figure 7** and **Figure 8**). Low-resistivity areas between 15 – 20 Ohm-m may either represent fluid from the brine release, surface-to-subsurface hydrologic pathways, or a layer of either clays and halite lenses or moist or saturated layers within the Rustler Formation (**Figure 7**).

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.** Employing a BLM-CFO-approved karst monitor on site during any drilling and/or remediation activities should be considered.

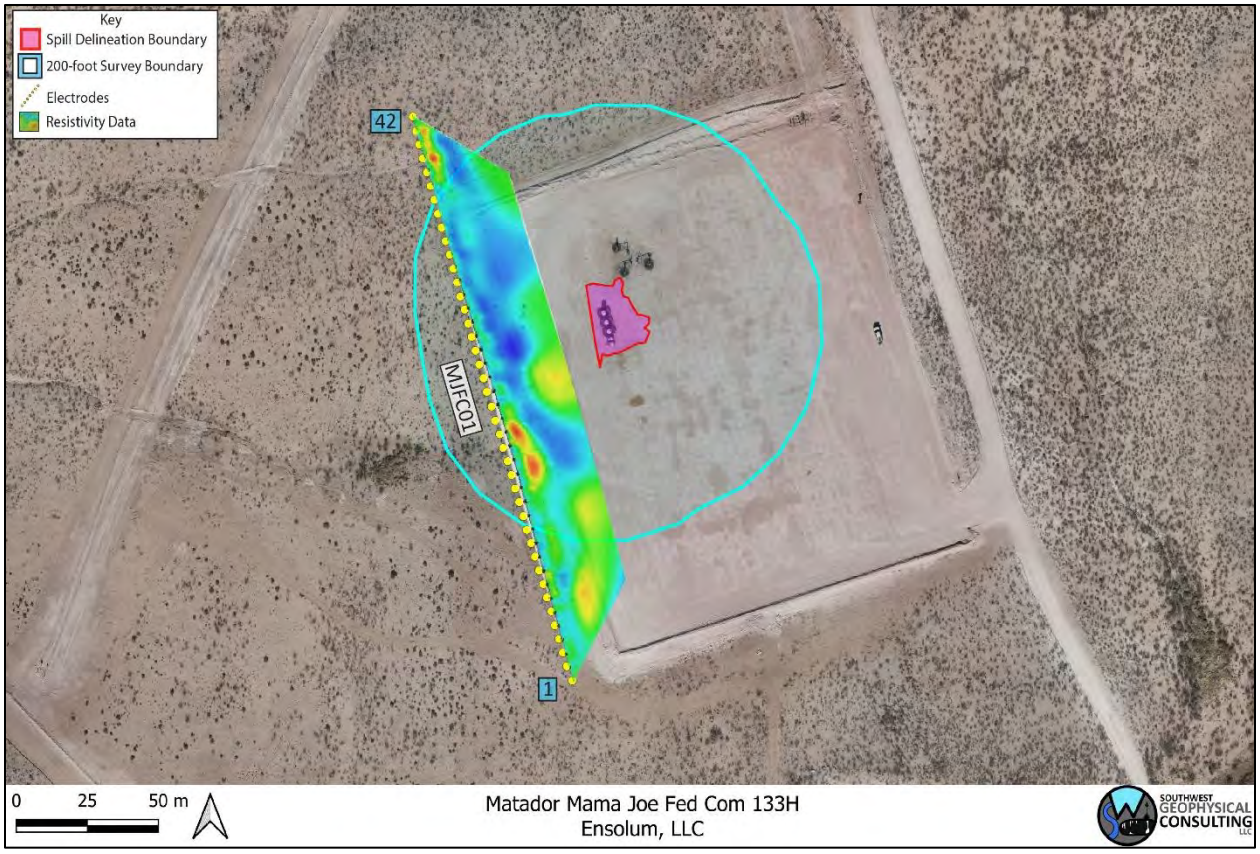

Figure 8: Data overlay. Colored trapezoid is the 2D inverted resistivity line. Background image credit: Google Earth. Image date: March 20, 2023.

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey (2.5–3.0 meters) may exist; these may be encountered during excavation, and if so, should be evaluated by a karst specialist prior to continued work.

5.0 SUMMARY

- **The MJFC survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.**
- No surface karst feature exists within the 200-meter survey boundary, and no springs are noted within the 305-meter survey boundary.
- **No shallow anomalies interpreted as large voids or related karst features that would present a danger to equipment operators are located within the geophysical survey area.**
- Intercepting a void during remediation is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- **Moderately well-layered stratigraphy is interpreted to exist beneath the geophysical survey line, indicating stable ground in the area of the subsurface investigation.**
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site should be considered.

6.0 DISCLOSURE STATEMENT

Karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports (along with the associated data files) commissioned at the request of the land manager should be submitted to BLM-CFO at blm_nm_karst@blm.gov.

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

Environmental karst reports should be submitted to the appropriate project manager at the New Mexico Oil Conservation Division.

7.0 REFERENCES

1 Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).

2 NMSLO. (ed Oil Conservation Division) (New Mexico State Land Office, Santa Fe, NM, 2018).

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8 W.R.C.C. *National Climate Data Center 1981-2010 Normal Climate Summary for Carlsbad, New Mexico (291469)*, 2010).

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10 NMSLO. Digital overlay (KML) of the surface land ownership in New Mexico (New Mexico State Land Office, Santa Fe, NM, 2024).

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15 Decker, D. D., Jorgensen, G. L. & Palmer, R. in *Southwest Geophysical Cave and Karst Database* (ed LLC Southwest Geophysical Consulting) (Albuquerque, NM, 2025).

16 Whitehead, W., Bandy, M. & Decker, D. Protocol for Using UAV Photography for Rapid Assessment of Karst Features in Southeast New Mexico. *Proceedings of the 2022 Cave and Karst Management Symposium* (2022).

17 Hill, C. A. *Geology of the Delaware Basin, Guadalupe, Apache and Glass Mountains, New Mexico and West Texas*. Vol. 96-39 (Permian Basin Section - SEPM, 1996).

8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω-m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation
Pdl	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the

	field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed, "meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG
Chief Executive Officer, Principal Geologist
Southwest Geophysical Consulting, LLC
5117 Fairfax Dr. NW
Albuquerque, NM 87114
dave@swgeophys.com
(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ENS-031-20251203 entitled, “Environmental Karst Study Report, Matador Mama Joe Fed Com 133H, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section ***2.3 Description of Survey***.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, December 24, 2025.

David D. Decker
PhD, CPG-12123

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

Sample Name: BH01	Date: 11/05/2025	
Site Name: Mama Joe Fed Com 133H		
Incident Number: nAPP2517526349		
Job Number: 03A2270108		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Auger/back hoe
Coordinates: 32.345641, -104.061327	Hole Diameter: 3"	Total Depth: 2 ft.

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. 40% correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH01	0	0	CCHE	Calche Pad - White to very light brown, Coarse to fine with 15-45mm gravel clasts, Dry, Non-Plastic, Noncohesive, Non-Uniform
D			N	BH01	0.5			
D	1,786		N	BH01	1	1	CCHE	Endurated white Caliche, medium cobbles to large rocks.
D	ND	60		BH02	2	2		

Total Depth @2 feet bgs.

ENSOLUM

	Sample Name: BH02	Date: 11/05/2025
	Site Name: Mama Joe Fed Com 133H	
	Incident Number: nAPP2517526349	
	Job Number: 03A2270108	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Auger/Back hoe
Coordinates: 32.345499, -104.061278	Hole Diameter: 3"	Total Depth: 4 ft.

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. 40% correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH02	0	0		
D			N	BH02	0.5			
D			N	BH02	1	1	CCHE	Calche Pad - White to very light brown, Coarse to fine with 15-45mm gravel clasts, Dry, Non-Plastic, Noncohesive, Non-Uniform
D			N	BH02	2	2		
D	212	105	N	BH02	3	3	CCHE	Endurated white caliche, medium cobbles to large boulders.
D	ND	19	N	BH02	4	4		

Total Depth @ 4 feet bgs.

ENSOLUM

	Sample Name: BH03	Date: 11/05/2025
	Site Name: Mama Joe Fed Com 133H	
	Incident Number: nAPP2517526349	
	Job Number: 03A2270108	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Hand Auger
Coordinates:	Hole Diameter: 3"	Total Depth: 2 ft

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. 40% correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH03		0		
D			N	BH03	0.5			Calche Pad - White to very light brown, Coarse to fine with 15-45mm gravel clasts, Dry, Non-Plastic, Noncohesive, Non-Uniform
D			N	BH03	1	1	CCHE	
D			N	BH03	2	2		

Total Depth @ 2 feet bgs.

ENSOLUM

	Sample Name: BH04	Date: 11/05/2025
	Site Name: Mama Joe Fed Com 133H	
	Incident Number: nAPP2517526349	
	Job Number: 03A2270108	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: H.Gonzalez	Method: Auger/Back Hoe
Coordinates: 32.345546, 104.061397	Hole Diameter: 3"	Total Depth: 1 ft.

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. 40% correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH04	0	0	CCHE	Calche Pad - White to very light brown, Coarse to fine with 15-45mm gravel clasts, Dry, Non-Plastic, Noncohesive, Non-Uniform
D			N	BH04	0.5			
D	ND	21	N	BH04	1	1	CCHE	Endurated white Caliche, medium cobbles to large boulders.

Total Depth @ 1-foot bgs.

ENSOLUM

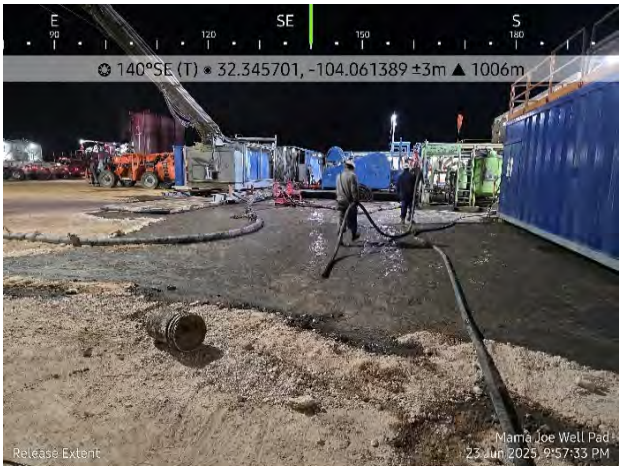
APPENDIX D

Photographic Log

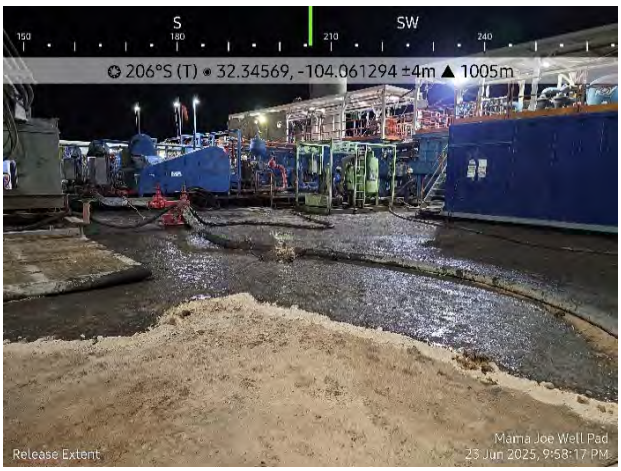
ENSOLUM

Photographic Log
Matador Production Company
Mama Joe Fed 133H
nAPP2517526349

Photograph 1 Date: 10/31/2025
Description: Lease Signage
View: West



Photograph 2 Date: 6/23/2025
Description: Release Extent
View: Southeast

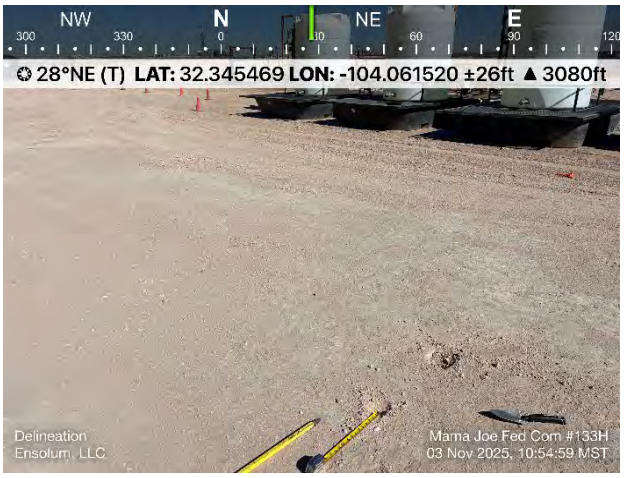


Photograph 3 Date: 6/23/2025
Description: Release Extent
View: Southwest

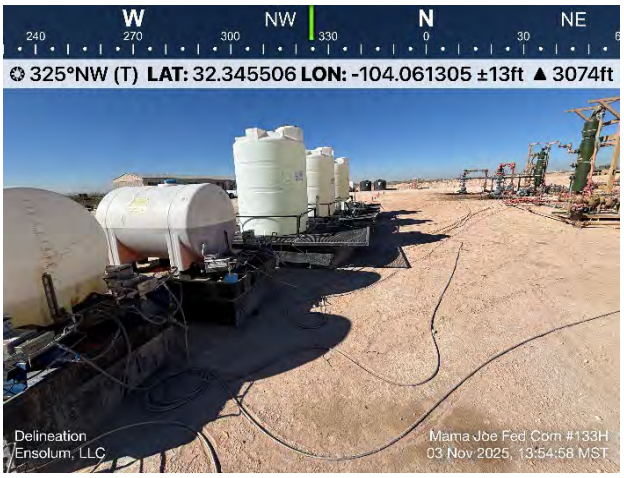
Photograph 4 Date: 6/23/2025
Description: Release Extent
View: South

ENSOLUM

Photographic Log
Matador Production Company
Mama Joe Fed 133H
nAPP2517526349



Photograph 5 Date: 11/03/2025
Description: Delineation
View: Northeast



Photograph 6 Date: 11/03/2025
Description: Delineation
View: Northwest

Photograph 7 Date: 11/03/2025
Description: Delineation
View: North

Photograph 8 Date: 11/03/2025
Description: Delineation
View: West

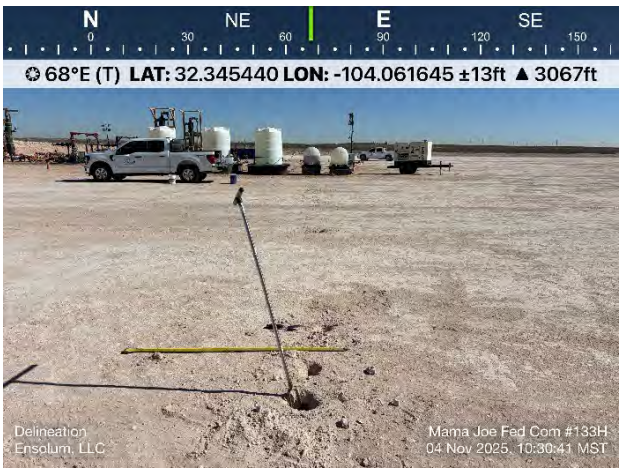
ENSOLUM

Photographic Log
Matador Production Company
Mama Joe Fed 133H
nAPP2517526349

Photograph 9 Date: 11/04/2025
Description: Delineation
View: West

Photograph 10 Date: 11/04/2025
Description: Delineation
View: East

Photograph 11 Date: 11/04/2025
Description: Delineation
View: North



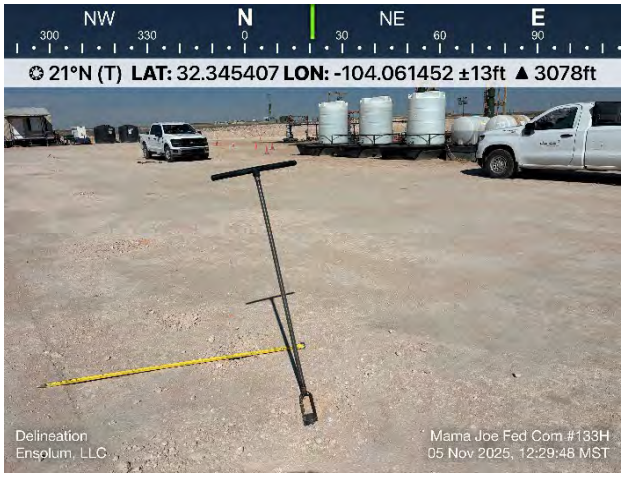
Photograph 12 Date: 11/04/2025
Description: Delineation
View: East

ENSOLUM

Photographic Log
Matador Production Company
Mama Joe Fed 133H
nAPP2517526349

Photograph 13 Date: 11/05/2025
Description: Delineation
View: South

Photograph 14 Date: 11/05/2025
Description: Delineation
View: East



Photograph 15 Date: 11/05/2025
Description: Delineation
View: North

Photograph 16 Date: 11/05/2025
Description: Delineation
View: South

ENSOLUM

Photographic Log
Matador Production Company
Mama Joe Fed 133H
nAPP2517526349

Photograph 17 Date: 11/20/2025
Description: Delineation (BH01)
View: Northeast

Photograph 18 Date: 11/20/2025
Description: Delineation (BH04)
View: Northeast

Photograph 19 Date: 11/20/2025
Description: Delineation (BH02)
View: Northwest

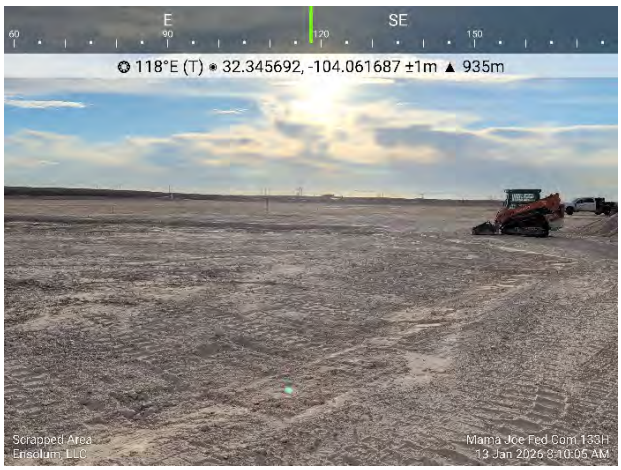
Photograph 20 Date: 1/12/2026
Description: Excavation
View: East

ENSOLUM

Photographic Log
Matador Production Company
Mama Joe Fed 133H
nAPP2517526349

Photograph 21 Date: 1/12/2026
Description: Excavation
View: South

Photograph 22 Date: 1/12/2026
Description: Excavation
View: South



Photograph 23 Date: 1/13/2026
Description: Excavation
View: Southeast

Photograph 24 Date: 1/13/2026
Description: Excavation
View: Southeast

ENSOLUM

APPENDIX E

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:	Mama Joe Fed Com #133H
Work Order:	E511027
Job Number:	23003-0002
Received:	11/6/2025

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/12/25

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: 11/12/25

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

Project Name: Mama Joe Fed Com #133H
Workorder: E511027
Date Received: 11/6/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2025 7:30:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H 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
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Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/25 14:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04-0'	E511027-01A	Soil	11/04/25	11/06/25	Glass Jar, 2 oz.
SS04-1'	E511027-02A	Soil	11/04/25	11/06/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 2:59:56PM

SS04-0'

E511027-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545114
Benzene	ND	0.0250	1	11/06/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/06/25	11/07/25	
Toluene	ND	0.0250	1	11/06/25	11/07/25	
o-Xylene	ND	0.0250	1	11/06/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/06/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/06/25	11/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*11/06/25*	*11/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545114
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/25	11/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*11/06/25*	*11/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2545125
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/25	11/07/25	
Surrogate: n-Nonane		*89.6 %*	*61-141*	*11/06/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2545157
Chloride	**88.1**	20.0	1	11/07/25	11/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 2:59:56PM

SS04-1'

E511027-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545114
Benzene	ND	0.0250	1	11/06/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/06/25	11/07/25	
Toluene	ND	0.0250	1	11/06/25	11/07/25	
o-Xylene	ND	0.0250	1	11/06/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/06/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/06/25	11/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*11/06/25*	*11/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545114
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/25	11/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*70-130*	*11/06/25*	*11/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2545125
Diesel Range Organics (C10-C28)	**36.2**	25.0	1	11/06/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/25	11/07/25	
Surrogate: n-Nonane		*89.8 %*	*61-141*	*11/06/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2545157
Chloride	**336**	20.0	1	11/07/25	11/10/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 2:59:56PM

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 (2545114-BLK1)									Prepared: 11/06/25 Analyzed: 11/08/25
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	*9.27*		*8.00*		*116*	*70-130*			
LCS (2545114-BS1)									Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	4.74	0.0250	5.00		94.7	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.0	70-130			
Toluene	4.66	0.0250	5.00		93.3	70-130			
o-Xylene	4.74	0.0250	5.00		94.8	70-130			
p,m-Xylene	9.41	0.0500	10.0		94.1	70-130			
Total Xylenes	14.1	0.0250	15.0		94.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.10*		*8.00*		*114*	*70-130*			
Matrix Spike (2545114-MS1)				**Source: E511030-01**					Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	4.58	0.0250	5.00	ND	91.7	70-130			
Ethylbenzene	4.44	0.0250	5.00	ND	88.9	70-130			
Toluene	4.51	0.0250	5.00	ND	90.2	70-130			
o-Xylene	4.56	0.0250	5.00	ND	91.2	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	90.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.04*		*8.00*		*113*	*70-130*			
Matrix Spike Dup (2545114-MSD1)				**Source: E511030-01**					Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	5.14	0.0250	5.00	ND	103	70-130	11.5	27	
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	70-130	11.6	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	11.4	20	
o-Xylene	5.13	0.0250	5.00	ND	103	70-130	11.8	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	11.4	23	
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130	11.5	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.00*		*8.00*		*112*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 2:59:56PM

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 (2545114-BLK1)									Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.8*	*70-130*			
LCS (2545114-BS2)									Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.36*		*8.00*		*92.0*	*70-130*			
Matrix Spike (2545114-MS2)				**Source: E511030-01**					Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*8.00*		*92.6*	*70-130*			
Matrix Spike Dup (2545114-MSD2)				**Source: E511030-01**					Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130	13.0	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 2:59:56PM

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 (2545125-BLK1)									Prepared: 11/06/25 Analyzed: 11/06/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.7*		*50.0*		*89.4*	*61-141*			
LCS (2545125-BS1)									Prepared: 11/06/25 Analyzed: 11/06/25
Diesel Range Organics (C10-C28)	217	25.0	250		86.9	66-144			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.7*	*61-141*			
Matrix Spike (2545125-MS1)				**Source: E511022-63**					Prepared: 11/06/25 Analyzed: 11/06/25
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.9	56-156			
Surrogate: n-Nonane	*46.7*		*50.0*		*93.4*	*61-141*			
Matrix Spike Dup (2545125-MSD1)				**Source: E511022-63**					Prepared: 11/06/25 Analyzed: 11/06/25
Diesel Range Organics (C10-C28)	220	25.0	250	ND	88.1	56-156	3.13	20	
Surrogate: n-Nonane	*46.3*		*50.0*		*92.7*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 2:59:56PM

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 (2545157-BLK1)									Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	ND	20.0							
LCS (2545157-BS1)									Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2545157-MS1)				**Source: E511023-03**					Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2545157-MSD1)				**Source: E511023-03**					Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	260	20.0	250	ND	104	80-120	0.0196	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:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/25 14:59

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

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

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

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E511027	Job Number 23003.0002	1D 2D 3D Std: X x	NM CO UT TX: X
Project Name: Mama Joe Fed Com #133H	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
1250	11/04/2025	S	1	SS04-0'		1									X			0.5	48HR RUSH TPH ONLY
1325	11/04/2025	S	1	SS04-1'		2									X			1.5	DO NOT RUN UNLESS SS04 0' IS <600 CL, 100 TPH

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
	11-05-25	7:11	Michelle Gonzales	11-5-25	0711
Michelle Gonzales	11-5-25	1330	Marissa Gonzales	11-5-25	1330
Marissa Gonzales	11-5-25	1745		11-5-25	1745
	11-5-25	2240	Cath Marr	11.6.25	730

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: 11/6/2025 9:26:00AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	11/06/25 07:30	Work Order ID:	E511027
Phone:	(972) 371-5200	Date Logged In:	11/05/25 14:43	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/12/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Client Remarks- 48HR RUSH TPH ONLY- Sample #1 Client Remark- Dont run unless SS04-0 is <600 CL, 100 TPH.

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:	Mama Joe Fed Com #133H
Work Order:	E511028
Job Number:	23003-0002
Received:	11/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/12/25

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: 11/12/25

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

Project Name: Mama Joe Fed Com #133H
Workorder: E511028
Date Received: 11/6/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2025 7:30:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H 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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/25 08:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02-0'	E511028-01A	Soil	11/04/25	11/06/25	Glass Jar, 2 oz.
SS02-1'	E511028-02A	Soil	11/04/25	11/06/25	Glass Jar, 2 oz.
SS03-0'	E511028-03A	Soil	11/04/25	11/06/25	Glass Jar, 2 oz.
SS03-1'	E511028-04A	Soil	11/04/25	11/06/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 8:26:20AM

SS02-0'

E511028-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Benzene	ND	0.0250	1	11/06/25	11/08/25	
Ethylbenzene	ND	0.0250	1	11/06/25	11/08/25	
Toluene	ND	0.0250	1	11/06/25	11/08/25	
o-Xylene	ND	0.0250	1	11/06/25	11/08/25	
p,m-Xylene	ND	0.0500	1	11/06/25	11/08/25	
Total Xylenes	ND	0.0250	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*92.6 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*92.6 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2545136
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/25	11/07/25	
Surrogate: n-Nonane		*99.5 %*	*61-141*	*11/06/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2545157
Chloride	**156**	20.0	1	11/07/25	11/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 8:26:20AM

SS02-1'

E511028-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Benzene	ND	0.0250	1	11/06/25	11/08/25	
Ethylbenzene	ND	0.0250	1	11/06/25	11/08/25	
Toluene	ND	0.0250	1	11/06/25	11/08/25	
o-Xylene	ND	0.0250	1	11/06/25	11/08/25	
p,m-Xylene	ND	0.0500	1	11/06/25	11/08/25	
Total Xylenes	ND	0.0250	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*92.4 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*92.4 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2545136
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/25	11/07/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*11/06/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2545157
Chloride	**119**	20.0	1	11/07/25	11/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 8:26:20AM

SS03-0'

E511028-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Benzene	ND	0.0250	1	11/06/25	11/08/25	
Ethylbenzene	ND	0.0250	1	11/06/25	11/08/25	
Toluene	ND	0.0250	1	11/06/25	11/08/25	
o-Xylene	ND	0.0250	1	11/06/25	11/08/25	
p,m-Xylene	ND	0.0500	1	11/06/25	11/08/25	
Total Xylenes	ND	0.0250	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*93.4 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*93.4 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2545136
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/25	11/07/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*11/06/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2545157
Chloride	**202**	20.0	1	11/07/25	11/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 8:26:20AM

SS03-1'

E511028-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Benzene	ND	0.0250	1	11/06/25	11/08/25	
Ethylbenzene	ND	0.0250	1	11/06/25	11/08/25	
Toluene	ND	0.0250	1	11/06/25	11/08/25	
o-Xylene	ND	0.0250	1	11/06/25	11/08/25	
p,m-Xylene	ND	0.0500	1	11/06/25	11/08/25	
Total Xylenes	ND	0.0250	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*94.4 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*94.4 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2545136
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/25	11/07/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*11/06/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2545157
Chloride	**32.1**	20.0	1	11/07/25	11/10/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 8:26:20AM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2545115-BLK1)									Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.465*		*0.500*		*92.9*	*70-130*			
LCS (2545115-BS1)									Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	2.52	0.0250	2.50		101	70-130			
Ethylbenzene	2.14	0.0250	2.50		85.5	70-130			
Toluene	2.08	0.0250	2.50		83.1	70-130			
o-Xylene	2.01	0.0250	2.50		80.5	70-130			
p,m-Xylene	4.10	0.0500	5.00		81.9	70-130			
Total Xylenes	6.11	0.0250	7.50		81.4	70-130			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.462*		*0.500*		*92.4*	*70-130*			
Matrix Spike (2545115-MS1)				**Source: E511031-23**					Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.25	0.0250	2.50	ND	89.9	45-135			
Toluene	2.15	0.0250	2.50	ND	86.0	48-130			
o-Xylene	2.13	0.0250	2.50	ND	85.2	43-135			
p,m-Xylene	4.34	0.0500	5.00	ND	86.7	43-135			
Total Xylenes	6.47	0.0250	7.50	ND	86.2	43-135			
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.533*		*0.500*		*107*	*70-130*			
Surrogate: Toluene-d8	*0.462*		*0.500*		*92.4*	*70-130*			
Matrix Spike Dup (2545115-MSD1)				**Source: E511031-23**					Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	2.56	0.0250	2.50	ND	102	48-131	2.66	23	
Ethylbenzene	2.19	0.0250	2.50	ND	87.6	45-135	2.64	27	
Toluene	2.05	0.0250	2.50	ND	82.1	48-130	4.59	24	
o-Xylene	2.09	0.0250	2.50	ND	83.7	43-135	1.73	27	
p,m-Xylene	4.22	0.0500	5.00	ND	84.5	43-135	2.66	27	
Total Xylenes	6.32	0.0250	7.50	ND	84.2	43-135	2.35	27	
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.447*		*0.500*		*89.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 8:26:20AM

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 (2545115-BLK1)									Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.465*		*0.500*		*92.9*	*70-130*			
LCS (2545115-BS2)									Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.458*		*0.500*		*91.6*	*70-130*			
Matrix Spike (2545115-MS2)				**Source: E511031-23**					Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.457*		*0.500*		*91.4*	*70-130*			
Matrix Spike Dup (2545115-MSD2)				**Source: E511031-23**					Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	56.5	20.0	50.0	ND	113	70-130	2.15	20	
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.462*		*0.500*		*92.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 8:26:20AM

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 (2545136-BLK1)									Prepared: 11/06/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.9*		*50.0*		*97.7*	*61-141*			
LCS (2545136-BS1)									Prepared: 11/06/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*61-141*			
Matrix Spike (2545136-MS1)				**Source: E511031-22**					Prepared: 11/06/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	671	25.0	250	739	NR	56-156			M2
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*61-141*			
Matrix Spike Dup (2545136-MSD1)				**Source: E511031-22**					Prepared: 11/06/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	741	25.0	250	739	0.475	56-156	9.84	20	M2
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 8:26:20AM

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 (2545157-BLK1)									Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	ND	20.0							
LCS (2545157-BS1)									Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2545157-MS1)				**Source: E511023-03**					Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2545157-MSD1)				**Source: E511023-03**					Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	260	20.0	250	ND	104	80-120	0.0196	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:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/25 08:26

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

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

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

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E5102.8	1D 2D 3D Std	NM CO UT TX
Project Name: Mama Joe Fed Com #133H	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
1056	11/04/2025	S	1	SS02-0'		1									X			2.3	
1109	11/04/2025	S	1	SS02-1'		2									X			0.6	
1209	11/04/2025	S	1	SS03-0'		3									X			1.8	
1211	11/04/2025	S	1	SS03-1'		4									X			2.0	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11.05.25	7:11	Michelle Gonzales	11-5-25	0711
Michelle Gonzales	11-5-25	1330	Marissa Gonzales	11-5-25	1330
Marissa Gonzales	11-5-25	1745		11-5-25	1745
	11-5-25	2200	Cath Man	11.6.25	730
	Date	Time		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: 11/6/2025 9:28:33AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	11/06/25 07:30	Work Order ID:	E511028
Phone:	(972) 371-5200	Date Logged In:	11/05/25 15:00	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/12/25 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

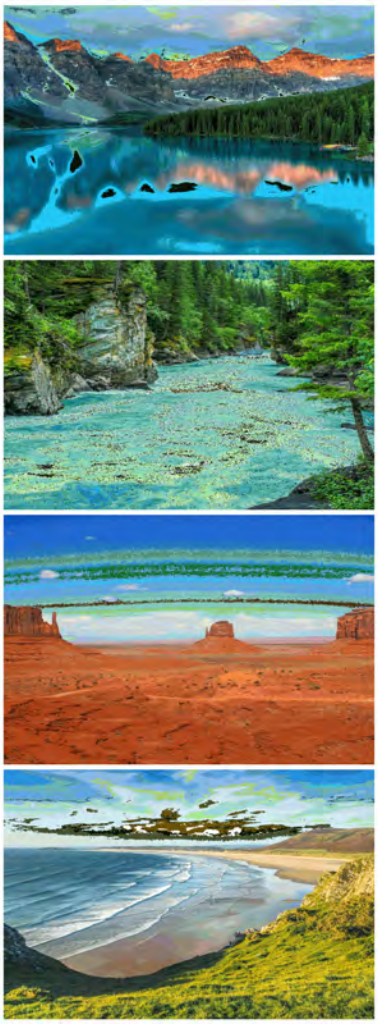
Signature of client authorizing changes to the COC or sample disposition.

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:	Mama Joe Fed Com #133H
Work Order:	E511029
Job Number:	23003-0002
Received:	11/6/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/12/25

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: 11/12/25

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

Project Name: Mama Joe Fed Com #133H
Workorder: E511029
Date Received: 11/6/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2025 7:30:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H 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
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whinchman@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/25 16:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E511029-01A	Soil	11/04/25	11/06/25	Glass Jar, 2 oz.
SS01-1'	E511029-02A	Soil	11/04/25	11/06/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 4:00:59PM

SS01-0'

E511029-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Benzene	ND	0.0250	1	11/06/25	11/08/25	
Ethylbenzene	ND	0.0250	1	11/06/25	11/08/25	
Toluene	ND	0.0250	1	11/06/25	11/08/25	
o-Xylene	ND	0.0250	1	11/06/25	11/08/25	
p,m-Xylene	ND	0.0500	1	11/06/25	11/08/25	
Total Xylenes	ND	0.0250	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*94.0 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*94.0 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2545134
Diesel Range Organics (C10-C28)	**26.5**	25.0	1	11/06/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/25	11/07/25	
Surrogate: n-Nonane		*92.0 %*	*61-141*	*11/06/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2545157
Chloride	**342**	20.0	1	11/07/25	11/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 4:00:59PM

SS01-1'

E511029-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Benzene	ND	0.0250	1	11/06/25	11/08/25	
Ethylbenzene	ND	0.0250	1	11/06/25	11/08/25	
Toluene	ND	0.0250	1	11/06/25	11/08/25	
o-Xylene	ND	0.0250	1	11/06/25	11/08/25	
p,m-Xylene	ND	0.0500	1	11/06/25	11/08/25	
Total Xylenes	ND	0.0250	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*94.1 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545115
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/25	11/08/25	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*11/06/25*	*11/08/25*	
Surrogate: Toluene-d8		*94.1 %*	*70-130*	*11/06/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2545134
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/25	11/07/25	
Surrogate: n-Nonane		*95.9 %*	*61-141*	*11/06/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2545157
Chloride	**145**	20.0	1	11/07/25	11/10/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 4:00:59PM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2545115-BLK1)									Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.465*		*0.500*		*92.9*	*70-130*			
LCS (2545115-BS1)									Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	2.52	0.0250	2.50		101	70-130			
Ethylbenzene	2.14	0.0250	2.50		85.5	70-130			
Toluene	2.08	0.0250	2.50		83.1	70-130			
o-Xylene	2.01	0.0250	2.50		80.5	70-130			
p,m-Xylene	4.10	0.0500	5.00		81.9	70-130			
Total Xylenes	6.11	0.0250	7.50		81.4	70-130			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.462*		*0.500*		*92.4*	*70-130*			
Matrix Spike (2545115-MS1)				**Source: E511031-23**					Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.25	0.0250	2.50	ND	89.9	45-135			
Toluene	2.15	0.0250	2.50	ND	86.0	48-130			
o-Xylene	2.13	0.0250	2.50	ND	85.2	43-135			
p,m-Xylene	4.34	0.0500	5.00	ND	86.7	43-135			
Total Xylenes	6.47	0.0250	7.50	ND	86.2	43-135			
Surrogate: Bromofluorobenzene	*0.518*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.533*		*0.500*		*107*	*70-130*			
Surrogate: Toluene-d8	*0.462*		*0.500*		*92.4*	*70-130*			
Matrix Spike Dup (2545115-MSD1)				**Source: E511031-23**					Prepared: 11/06/25 Analyzed: 11/08/25
Benzene	2.56	0.0250	2.50	ND	102	48-131	2.66	23	
Ethylbenzene	2.19	0.0250	2.50	ND	87.6	45-135	2.64	27	
Toluene	2.05	0.0250	2.50	ND	82.1	48-130	4.59	24	
o-Xylene	2.09	0.0250	2.50	ND	83.7	43-135	1.73	27	
p,m-Xylene	4.22	0.0500	5.00	ND	84.5	43-135	2.66	27	
Total Xylenes	6.32	0.0250	7.50	ND	84.2	43-135	2.35	27	
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.447*		*0.500*		*89.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 4:00:59PM

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 (2545115-BLK1)									Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.465*		*0.500*		*92.9*	*70-130*			
LCS (2545115-BS2)									Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.458*		*0.500*		*91.6*	*70-130*			
Matrix Spike (2545115-MS2)				**Source: E511031-23**					Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	*0.525*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.457*		*0.500*		*91.4*	*70-130*			
Matrix Spike Dup (2545115-MSD2)				**Source: E511031-23**					Prepared: 11/06/25 Analyzed: 11/08/25
Gasoline Range Organics (C6-C10)	56.5	20.0	50.0	ND	113	70-130	2.15	20	
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.462*		*0.500*		*92.3*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 4:00:59PM

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 (2545134-BLK1)									Prepared: 11/06/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.1*		*50.0*		*98.2*	*61-141*			
LCS (2545134-BS1)									Prepared: 11/06/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	232	25.0	250		92.7	66-144			
Surrogate: n-Nonane	*47.2*		*50.0*		*94.3*	*61-141*			
Matrix Spike (2545134-MS1)				**Source: E511029-01**					Prepared: 11/06/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	273	25.0	250	26.5	98.7	56-156			
Surrogate: n-Nonane	*47.9*		*50.0*		*95.9*	*61-141*			
Matrix Spike Dup (2545134-MSD1)				**Source: E511029-01**					Prepared: 11/06/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	273	25.0	250	26.5	98.5	56-156	0.184	20	
Surrogate: n-Nonane	*47.5*		*50.0*		*95.0*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 4:00:59PM

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 (2545157-BLK1)									Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	ND	20.0							
LCS (2545157-BS1)									Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2545157-MS1)				**Source: E511023-03**					Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2545157-MSD1)				**Source: E511023-03**					Prepared: 11/07/25 Analyzed: 11/10/25
Chloride	260	20.0	250	ND	104	80-120	0.0196	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:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/25 16:00

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.

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E511029	Job Number 23003.0002	1D 2D 3D Std: x	NM: X CO UT TX
Project Name: Mama Joe Fed Com #133H	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
0932	11/04/2025	S	1	SS01-0'		1									X			2.3	
0950	11/04/2025	S	1	SS01-1'		2									X			2.5	DO NOT RUN UNLESS SS01 0' IS <600 CL, 100 TPH

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
	11-05-25	7:11	Michelle Gonzales	11-5-25	0711
Michelle Gonzales	11-5-25	1330	Marissa Gonzales	11-5-25	1330
Marissa Gonzales	11-5-25	1745		11-5-25	1745
	11-5-25	2200	Cath Mar	11.6.25	730

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: 11/6/2025 9:29:44AM

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:	11/06/25 07:30	Work Order ID:	E511029
Phone:	(972) 371-5200	Date Logged In:	11/05/25 15:10	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	11/12/25 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

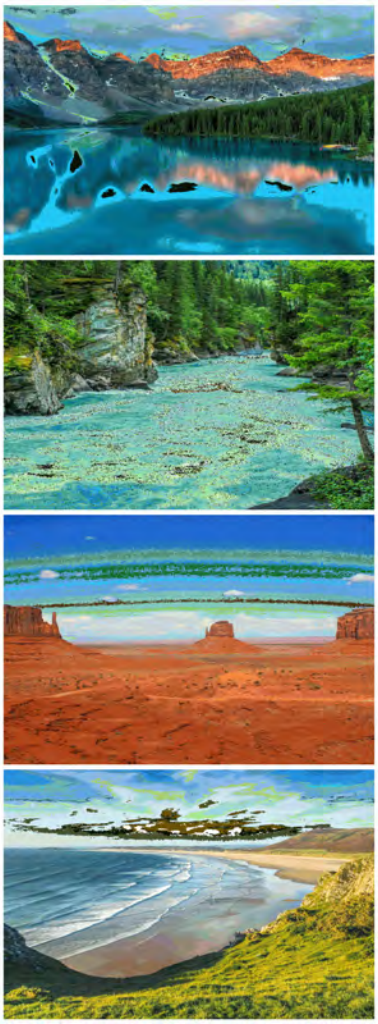
Signature of client authorizing changes to the COC or sample disposition.

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:	Mama Joe Fed Com #133H
Work Order:	E511044
Job Number:	23003-0002
Received:	11/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/12/25

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: 11/12/25

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

Project Name: Mama Joe Fed Com #133H
Workorder: E511044
Date Received: 11/7/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2025 8:00:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H 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
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/25 17:37

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05-0'	E511044-01A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
SS05-1'	E511044-02A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
SS06-0'	E511044-03A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 5:37:45PM

SS05-0'

E511044-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545142
Benzene	ND	0.0250	1	11/07/25	11/08/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/08/25	
Toluene	ND	0.0250	1	11/07/25	11/08/25	
o-Xylene	ND	0.0250	1	11/07/25	11/08/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/08/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*117 %*	*70-130*	*11/07/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545142
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*11/07/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2545147
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/25	11/07/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*11/07/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2546019
Chloride	**120**	20.0	1	11/10/25	11/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 5:37:45PM

SS05-1'

E511044-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545142
Benzene	ND	0.0250	1	11/07/25	11/08/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/08/25	
Toluene	ND	0.0250	1	11/07/25	11/08/25	
o-Xylene	ND	0.0250	1	11/07/25	11/08/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/08/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*116 %*	*70-130*	*11/07/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545142
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*11/07/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2545147
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/25	11/07/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*11/07/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2546019
Chloride	**72.3**	20.0	1	11/10/25	11/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 5:37:45PM

SS06-0'

E511044-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545142
Benzene	ND	0.0250	1	11/07/25	11/08/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/08/25	
Toluene	ND	0.0250	1	11/07/25	11/08/25	
o-Xylene	ND	0.0250	1	11/07/25	11/08/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/08/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/08/25	
Surrogate: 4-Bromochlorobenzene-PID		*116 %*	*70-130*	*11/07/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545142
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*11/07/25*	*11/08/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2545147
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/25	11/07/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*11/07/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2546019
Chloride	**335**	20.0	1	11/10/25	11/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 5:37:45PM

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 (2545142-BLK1)									Prepared: 11/07/25 Analyzed: 11/07/25
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	*8.91*		*8.00*		*111*	*70-130*			
LCS (2545142-BS1)									Prepared: 11/07/25 Analyzed: 11/07/25
Benzene	3.66	0.0250	5.00		73.2	70-130			
Ethylbenzene	3.55	0.0250	5.00		71.0	70-130			
Toluene	3.60	0.0250	5.00		72.1	70-130			
o-Xylene	3.64	0.0250	5.00		72.7	70-130			
p,m-Xylene	7.29	0.0500	10.0		72.9	70-130			
Total Xylenes	10.9	0.0250	15.0		72.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.91*		*8.00*		*111*	*70-130*			
Matrix Spike (2545142-MS1)				**Source: E511039-03**					Prepared: 11/07/25 Analyzed: 11/07/25
Benzene	5.21	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.09	0.0250	5.00	ND	102	70-130			
Toluene	5.15	0.0250	5.00	ND	103	70-130			
o-Xylene	5.22	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.22*		*8.00*		*115*	*70-130*			
Matrix Spike Dup (2545142-MSD1)				**Source: E511039-03**					Prepared: 11/07/25 Analyzed: 11/07/25
Benzene	4.80	0.0250	5.00	ND	96.0	70-130	8.15	27	
Ethylbenzene	4.68	0.0250	5.00	ND	93.5	70-130	8.39	26	
Toluene	4.73	0.0250	5.00	ND	94.7	70-130	8.45	20	
o-Xylene	4.81	0.0250	5.00	ND	96.2	70-130	8.10	25	
p,m-Xylene	9.59	0.0500	10.0	ND	95.9	70-130	8.18	23	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	70-130	8.15	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.27*		*8.00*		*116*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 5:37:45PM

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 (2545142-BLK1)									Prepared: 11/07/25 Analyzed: 11/07/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2545142-BS2)									Prepared: 11/07/25 Analyzed: 11/10/25
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.40*		*8.00*		*92.5*	*70-130*			
Matrix Spike (2545142-MS2)				**Source: E511039-03**					Prepared: 11/07/25 Analyzed: 11/10/25
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			
Matrix Spike Dup (2545142-MSD2)				**Source: E511039-03**					Prepared: 11/07/25 Analyzed: 11/10/25
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130	3.89	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 5:37:45PM

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 (2545147-BLK1)									Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.7*		*50.0*		*91.4*	*61-141*			
LCS (2545147-BS1)									Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	227	25.0	250		91.0	66-144			
Surrogate: n-Nonane	*46.2*		*50.0*		*92.4*	*61-141*			
Matrix Spike (2545147-MS1)				**Source: E511040-01**					Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156			
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*61-141*			
Matrix Spike Dup (2545147-MSD1)				**Source: E511040-01**					Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	56-156	10.5	20	
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/2025 5:37:45PM

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 (2546019-BLK1)									Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	ND	20.0							
LCS (2546019-BS1)									Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2546019-MS1)				**Source: E511030-06**					Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	345	20.0	250	98.3	98.8	80-120			
Matrix Spike Dup (2546019-MSD1)				**Source: E511030-06**					Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	344	20.0	250	98.3	98.2	80-120	0.443	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:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/12/25 17:37

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

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

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

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E511044	Job Number 23003·0012	1D 2D 3D Std: x	NM CO UT TX: X
Project Name: Mama Joe Fed Com 133H	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
1201	11/6/25	S	1	SS05 - 0'		1									X			1.7	
1215	"	S	1	SS05 - 1'		2									X			2.4	
1244	"	S	1	SS06 - 0'		3									X			2.2	

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Eric Plugge, Hightower Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/6/25	0711	Michelle Gonzales	11-6-25	0711
Michelle Gonzales	11-6-25	1230	Nathan Gonzales	11-6-25	1230
Nathan Gonzales	11-6-25	1640	Cassidy Bay	11-6-25	1645
Cassidy Bay	11-6-25	2115	Carla Thomas	11.7.25	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: 11/7/2025 9:28:59AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	11/07/25 08:00	Work Order ID:	E511044
Phone:	(972) 371-5200	Date Logged In:	11/06/25 15:50	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/13/25 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

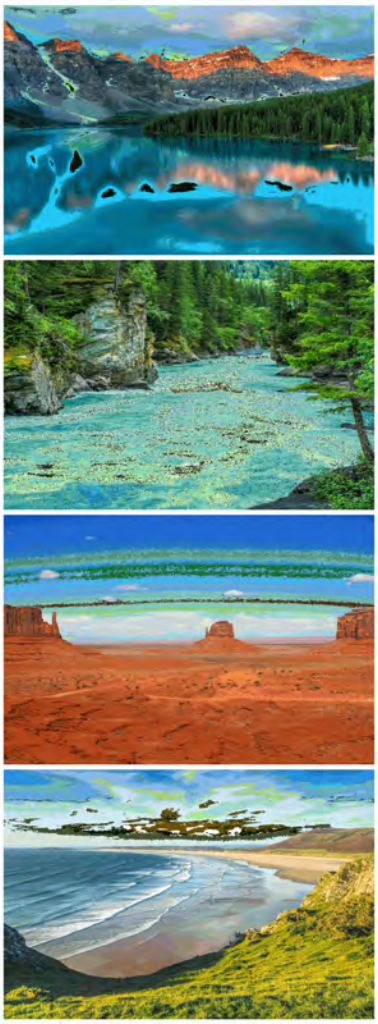
Signature of client authorizing changes to the COC or sample disposition.

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:	Mama Joe Fed Com #133H
Work Order:	E511045
Job Number:	23003-0002
Received:	11/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/13/25

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: 11/13/25

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

Project Name: Mama Joe Fed Com #133H
Workorder: E511045
Date Received: 11/7/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2025 8:00:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H 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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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/25 11:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E511045-01A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
BH01-.5'	E511045-02A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
BH01-1'	E511045-03A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 11:33:24AM

BH01-0'

E511045-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2545146
Benzene	ND	0.0250	1	11/07/25	11/10/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/10/25	
Toluene	ND	0.0250	1	11/07/25	11/10/25	
o-Xylene	ND	0.0250	1	11/07/25	11/10/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/10/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*11/07/25*	*11/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2545146
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*11/07/25*	*11/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**361**	25.0	1	11/07/25	11/07/25	
Oil Range Organics (C28-C36)	**159**	50.0	1	11/07/25	11/07/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*11/07/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2546024
Chloride	**3180**	40.0	2	11/10/25	11/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 11:33:24AM

BH01-.5'

E511045-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2545146
Benzene	ND	0.0250	1	11/07/25	11/10/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/10/25	
Toluene	ND	0.0250	1	11/07/25	11/10/25	
o-Xylene	ND	0.0250	1	11/07/25	11/10/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/10/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*11/07/25*	*11/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2545146
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*11/07/25*	*11/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/25	11/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/25	11/07/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*11/07/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2546024
Chloride	**947**	20.0	1	11/10/25	11/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 11:33:24AM

BH01-1'

E511045-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2545146
Benzene	ND	0.0250	1	11/07/25	11/10/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/10/25	
Toluene	ND	0.0250	1	11/07/25	11/10/25	
o-Xylene	ND	0.0250	1	11/07/25	11/10/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/10/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/10/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*11/07/25*	*11/10/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2545146
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/10/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*11/07/25*	*11/10/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**437**	25.0	1	11/07/25	11/07/25	
Oil Range Organics (C28-C36)	**163**	50.0	1	11/07/25	11/07/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*11/07/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2546024
Chloride	**5970**	100	5	11/10/25	11/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 11:33:24AM

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 (2545146-BLK1)									Prepared: 11/07/25 Analyzed: 11/10/25
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	*7.65*		*8.00*		*95.6*	*70-130*			
LCS (2545146-BS1)									Prepared: 11/07/25 Analyzed: 11/10/25
Benzene	4.45	0.0250	5.00		89.0	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.55	0.0250	5.00		90.9	70-130			
o-Xylene	4.59	0.0250	5.00		91.9	70-130			
p,m-Xylene	9.23	0.0500	10.0		92.3	70-130			
Total Xylenes	13.8	0.0250	15.0		92.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.72*		*8.00*		*96.5*	*70-130*			
Matrix Spike (2545146-MS1)				**Source: E511054-07**					Prepared: 11/07/25 Analyzed: 11/10/25
Benzene	4.27	0.0250	5.00	ND	85.3	70-130			
Ethylbenzene	4.33	0.0250	5.00	ND	86.7	70-130			
Toluene	4.38	0.0250	5.00	ND	87.5	70-130			
o-Xylene	4.47	0.0250	5.00	ND	89.4	70-130			
p,m-Xylene	8.90	0.0500	10.0	ND	89.0	70-130			
Total Xylenes	13.4	0.0250	15.0	ND	89.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.8*	*70-130*			
Matrix Spike Dup (2545146-MSD1)				**Source: E511054-07**					Prepared: 11/07/25 Analyzed: 11/10/25
Benzene	4.41	0.0250	5.00	ND	88.1	70-130	3.19	27	
Ethylbenzene	4.45	0.0250	5.00	ND	89.1	70-130	2.71	26	
Toluene	4.50	0.0250	5.00	ND	89.9	70-130	2.71	20	
o-Xylene	4.59	0.0250	5.00	ND	91.7	70-130	2.49	25	
p,m-Xylene	9.14	0.0500	10.0	ND	91.4	70-130	2.62	23	
Total Xylenes	13.7	0.0250	15.0	ND	91.5	70-130	2.58	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 11:33:24AM

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 (2545146-BLK1)									Prepared: 11/07/25 Analyzed: 11/10/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*70-130*			
LCS (2545146-BS2)									Prepared: 11/07/25 Analyzed: 11/10/25
Gasoline Range Organics (C6-C10)	60.3	20.0	50.0		121	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.37*		*8.00*		*92.1*	*70-130*			
Matrix Spike (2545146-MS2)				**Source: E511054-07**					Prepared: 11/07/25 Analyzed: 11/10/25
Gasoline Range Organics (C6-C10)	58.1	20.0	50.0	ND	116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.39*		*8.00*		*92.4*	*70-130*			
Matrix Spike Dup (2545146-MSD2)				**Source: E511054-07**					Prepared: 11/07/25 Analyzed: 11/10/25
Gasoline Range Organics (C6-C10)	58.4	20.0	50.0	ND	117	70-130	0.536	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 11:33:24AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2545149-BLK1)									Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.5*		*50.0*		*99.0*	*61-141*			
LCS (2545149-BS1)									Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	245	25.0	250		97.9	66-144			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.6*	*61-141*			
Matrix Spike (2545149-MS1)				**Source: E511047-03**					Prepared: 11/07/25 Analyzed: 11/11/25
Diesel Range Organics (C10-C28)	262	25.0	250	37.1	89.9	56-156			
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*61-141*			
Matrix Spike Dup (2545149-MSD1)				**Source: E511047-03**					Prepared: 11/07/25 Analyzed: 11/11/25
Diesel Range Organics (C10-C28)	272	25.0	250	37.1	93.8	56-156	3.70	20	
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 11:33:24AM

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 (2546024-BLK1)									Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	ND	20.0							
LCS (2546024-BS1)									Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2546024-MS1)				**Source: E511043-03**					Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	333	20.0	250	74.1	104	80-120			
Matrix Spike Dup (2546024-MSD1)				**Source: E511043-03**					Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	348	20.0	250	74.1	109	80-120	4.33	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:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/25 11:33

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

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

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

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E511045	1D 2D 3D Std	NM CO UT TX
Project Name:Mama Joe Fed Com 133H	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	
0910	11/5/25	S	1	BH01-0'		1									X		
0911	"	S	1	BH01-.5'		2									X		
0915	"	S	1	BH01-1'		3									X		

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Sample Temp	Remarks
1.0	
1.2	
2.5	

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, Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11/6/25	0711	Michelle Gonzales	11-6-25	0711
Michelle Gonzales	11-6-25	1230	Nathan Gonzales	11-6-25	1230
Nathan Gonzales	11-6-25	1640	Cassidy Bay	11-6-25	1645
Cassidy Bay	11-6-25	2115	Caitlin Man	11.7.25	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: 11/7/2025 9:30:25AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	11/07/25 08:00	Work Order ID:	E511045
Phone:	(972) 371-5200	Date Logged In:	11/06/25 15:55	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/13/25 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:	Mama Joe Fed Com #133H
Work Order:	E511046
Job Number:	23003-0002
Received:	11/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/13/25

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: 11/13/25

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

Project Name: Mama Joe Fed Com #133H
Workorder: E511046
Date Received: 11/7/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2025 8:00:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H 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
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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/25 15:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-0'	E511046-01A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
BH03-.5'	E511046-02A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
BH03-1'	E511046-03A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
BH03-2'	E511046-04A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:26:27PM

BH03-0'

E511046-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	**0.0399**	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	**0.101**	0.0500	1	11/07/25	11/12/25	
Total Xylenes	**0.141**	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*124 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**7420**	25.0	1	11/07/25	11/07/25	
Oil Range Organics (C28-C36)	**3830**	50.0	1	11/07/25	11/07/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*11/07/25*	*11/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2546024
Chloride	**6320**	100	5	11/10/25	11/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:26:27PM

BH03-.5'

E511046-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	ND	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/12/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*125 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**768**	25.0	1	11/07/25	11/11/25	
Oil Range Organics (C28-C36)	**96.5**	50.0	1	11/07/25	11/11/25	
Surrogate: n-Nonane		*92.2 %*	*61-141*	*11/07/25*	*11/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2546024
Chloride	**2780**	40.0	2	11/10/25	11/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:26:27PM

BH03-1'

E511046-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	ND	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/12/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*123 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**219**	25.0	1	11/07/25	11/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/25	11/11/25	
Surrogate: n-Nonane		*93.3 %*	*61-141*	*11/07/25*	*11/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2546024
Chloride	**551**	20.0	1	11/10/25	11/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:26:27PM

BH03-2'

E511046-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	ND	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/12/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*122 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**38.2**	25.0	1	11/07/25	11/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/25	11/11/25	
Surrogate: n-Nonane		*94.2 %*	*61-141*	*11/07/25*	*11/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2546024
Chloride	**62.7**	20.0	1	11/10/25	11/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:26:27PM

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 (2545144-BLK1)									Prepared: 11/07/25 Analyzed: 11/12/25
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	*9.39*		*8.00*		*117*	*70-130*			
LCS (2545144-BS1)									Prepared: 11/07/25 Analyzed: 11/12/25
Benzene	4.46	0.0250	5.00		89.1	70-130			
Ethylbenzene	4.24	0.0250	5.00		84.8	70-130			
Toluene	4.34	0.0250	5.00		86.9	70-130			
o-Xylene	4.32	0.0250	5.00		86.4	70-130			
p,m-Xylene	8.65	0.0500	10.0		86.5	70-130			
Total Xylenes	13.0	0.0250	15.0		86.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.15*		*8.00*		*114*	*70-130*			
Matrix Spike (2545144-MS1)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Benzene	4.15	0.0250	5.00	ND	83.0	70-130			
Ethylbenzene	4.00	0.0250	5.00	ND	80.1	70-130			
Toluene	4.08	0.0250	5.00	ND	81.5	70-130			
o-Xylene	4.11	0.0250	5.00	ND	82.2	70-130			
p,m-Xylene	8.21	0.0500	10.0	ND	82.1	70-130			
Total Xylenes	12.3	0.0250	15.0	ND	82.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.90*		*8.00*		*124*	*70-130*			
Matrix Spike Dup (2545144-MSD1)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Benzene	4.01	0.0250	5.00	ND	80.2	70-130	3.48	27	
Ethylbenzene	3.86	0.0250	5.00	ND	77.3	70-130	3.56	26	
Toluene	3.92	0.0250	5.00	ND	78.5	70-130	3.81	20	
o-Xylene	3.95	0.0250	5.00	ND	78.9	70-130	4.08	25	
p,m-Xylene	7.91	0.0500	10.0	ND	79.1	70-130	3.68	23	
Total Xylenes	11.9	0.0250	15.0	ND	79.1	70-130	3.82	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.90*		*8.00*		*124*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:26:27PM

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 (2545144-BLK1)									Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.45*		*8.00*		*93.2*	*70-130*			
LCS (2545144-BS2)									Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
Matrix Spike (2545144-MS2)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.6*	*70-130*			
Matrix Spike Dup (2545144-MSD2)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.3	70-130	1.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:26:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2545149-BLK1)									Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.5*		*50.0*		*99.0*	*61-141*			
LCS (2545149-BS1)									Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	245	25.0	250		97.9	66-144			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.6*	*61-141*			
Matrix Spike (2545149-MS1)				**Source: E511047-03**					Prepared: 11/07/25 Analyzed: 11/11/25
Diesel Range Organics (C10-C28)	262	25.0	250	37.1	89.9	56-156			
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*61-141*			
Matrix Spike Dup (2545149-MSD1)				**Source: E511047-03**					Prepared: 11/07/25 Analyzed: 11/11/25
Diesel Range Organics (C10-C28)	272	25.0	250	37.1	93.8	56-156	3.70	20	
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:26:27PM

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 (2546024-BLK1)									Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	ND	20.0							
LCS (2546024-BS1)									Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2546024-MS1)				**Source: E511043-03**					Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	333	20.0	250	74.1	104	80-120			
Matrix Spike Dup (2546024-MSD1)				**Source: E511043-03**					Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	348	20.0	250	74.1	109	80-120	4.33	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:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/25 15:26

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

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

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

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E511046	Job Number 23003-0002	1D 2D 3D Std: x	NM: X CO UT TX
Project Name: Mama Joe Fed Com 133H	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
0909	11/5/25	S	1	BH03-0'		1									X			1.8	
0915		S	1	BH03-.5'		2									X			2.0	
0924		S	1	BH03-1'		3									X			2.0	
0940		S	1	BH03-2'		4									X			2.0	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Eric Plugge, Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/6/25	0711	Michelle Gonzales	11-6-25	0711
Michelle Gonzales	11-6-25	1230	Nathan Gonzales	11-6-25	1230
Nathan Gonzales	11-6-25	1640	Cassidy Boy	11-6-25	1645
Cassidy Boy	11-6-25	2115	Caitlin Mar	11.7.25	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: 11/7/2025 9:32:07AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	11/07/25 08:00	Work Order ID:	E511046
Phone:	(972) 371-5200	Date Logged In:	11/06/25 16:01	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/13/25 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:	Mama Joe Fed Com #133H
Work Order:	E511047
Job Number:	23003-0002
Received:	11/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/13/25

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: 11/13/25

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

Project Name: Mama Joe Fed Com #133H
Workorder: E511047
Date Received: 11/7/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2025 8:00:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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

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Laboratory Administrator
Office: 505-632-1881
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Client Representative
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mgonzales@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/25 15:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-0'	E511047-01A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
BH02-.5'	E511047-02A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
BH02-1'	E511047-03A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
BH02-2'	E511047-04A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:27:24PM

BH02-0'

E511047-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	**0.0798**	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	**0.110**	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	**0.350**	0.0500	1	11/07/25	11/12/25	
Total Xylenes	**0.460**	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*135 %*	*70-130*	*11/07/25*	*11/12/25*	*S5*
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**13800**	500	20	11/07/25	11/11/25	
Oil Range Organics (C28-C36)	**4430**	1000	20	11/07/25	11/11/25	
Surrogate: n-Nonane		*97.9 %*	*61-141*	*11/07/25*	*11/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2546027
Chloride	**12800**	200	10	11/10/25	11/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:27:24PM

BH02-.5'

E511047-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	**0.0509**	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	**0.260**	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	**0.135**	0.0500	1	11/07/25	11/12/25	
Total Xylenes	**0.396**	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*147 %*	*70-130*	*11/07/25*	*11/12/25*	*S5*
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**5530**	25.0	1	11/07/25	11/08/25	
Oil Range Organics (C28-C36)	**638**	50.0	1	11/07/25	11/08/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*11/07/25*	*11/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2546027
Chloride	**950**	20.0	1	11/10/25	11/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:27:24PM

BH02-1'

E511047-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	ND	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/12/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*122 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**37.1**	25.0	1	11/07/25	11/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/25	11/11/25	
Surrogate: n-Nonane		*95.4 %*	*61-141*	*11/07/25*	*11/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2546027
Chloride	**1770**	40.0	2	11/10/25	11/10/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:27:24PM

BH02-2'

E511047-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	ND	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/12/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*123 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/25	11/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/25	11/11/25	
Surrogate: n-Nonane		*96.3 %*	*61-141*	*11/07/25*	*11/11/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2546027
Chloride	**705**	20.0	1	11/10/25	11/10/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:27:24PM

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 (2545144-BLK1)									Prepared: 11/07/25 Analyzed: 11/12/25
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	*9.39*		*8.00*		*117*	*70-130*			
LCS (2545144-BS1)									Prepared: 11/07/25 Analyzed: 11/12/25
Benzene	4.46	0.0250	5.00		89.1	70-130			
Ethylbenzene	4.24	0.0250	5.00		84.8	70-130			
Toluene	4.34	0.0250	5.00		86.9	70-130			
o-Xylene	4.32	0.0250	5.00		86.4	70-130			
p,m-Xylene	8.65	0.0500	10.0		86.5	70-130			
Total Xylenes	13.0	0.0250	15.0		86.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.15*		*8.00*		*114*	*70-130*			
Matrix Spike (2545144-MS1)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Benzene	4.15	0.0250	5.00	ND	83.0	70-130			
Ethylbenzene	4.00	0.0250	5.00	ND	80.1	70-130			
Toluene	4.08	0.0250	5.00	ND	81.5	70-130			
o-Xylene	4.11	0.0250	5.00	ND	82.2	70-130			
p,m-Xylene	8.21	0.0500	10.0	ND	82.1	70-130			
Total Xylenes	12.3	0.0250	15.0	ND	82.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.90*		*8.00*		*124*	*70-130*			
Matrix Spike Dup (2545144-MSD1)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Benzene	4.01	0.0250	5.00	ND	80.2	70-130	3.48	27	
Ethylbenzene	3.86	0.0250	5.00	ND	77.3	70-130	3.56	26	
Toluene	3.92	0.0250	5.00	ND	78.5	70-130	3.81	20	
o-Xylene	3.95	0.0250	5.00	ND	78.9	70-130	4.08	25	
p,m-Xylene	7.91	0.0500	10.0	ND	79.1	70-130	3.68	23	
Total Xylenes	11.9	0.0250	15.0	ND	79.1	70-130	3.82	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.90*		*8.00*		*124*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:27:24PM

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 (2545144-BLK1)									Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.45*		*8.00*		*93.2*	*70-130*			
LCS (2545144-BS2)									Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
Matrix Spike (2545144-MS2)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.6*	*70-130*			
Matrix Spike Dup (2545144-MSD2)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.3	70-130	1.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:27:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2545149-BLK1)									Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.5*		*50.0*		*99.0*	*61-141*			
LCS (2545149-BS1)									Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	245	25.0	250		97.9	66-144			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.6*	*61-141*			
Matrix Spike (2545149-MS1)				**Source: E511047-03**					Prepared: 11/07/25 Analyzed: 11/11/25
Diesel Range Organics (C10-C28)	262	25.0	250	37.1	89.9	56-156			
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*61-141*			
Matrix Spike Dup (2545149-MSD1)				**Source: E511047-03**					Prepared: 11/07/25 Analyzed: 11/11/25
Diesel Range Organics (C10-C28)	272	25.0	250	37.1	93.8	56-156	3.70	20	
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:27:24PM

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 (2546027-BLK1)									Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	ND	20.0							
LCS (2546027-BS1)									Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2546027-MS1)				**Source: E511047-02**					Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	1230	20.0	250	950	114	80-120			
Matrix Spike Dup (2546027-MSD1)				**Source: E511047-02**					Prepared: 11/10/25 Analyzed: 11/11/25
Chloride	1170	20.0	250	950	89.5	80-120	5.10	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:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/25 15:27

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

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

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

Released to Imaging: 4/7/2026 3:34:03 PM

Received by OCD: 2/11/2026 2:05:29 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E511047	Job Number 23C03.0002	1D 2D 3D Std: x
Project Name: Mama Joe Fed Com 133H	Address: 3122 National Parks Hwy			NM: X; CO; UT; TX
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260		TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1022	11/5/25	S	1	BH02-0'		1									X			2.4	
1024	"	S	1	BH02-.5'		2									X			2.6	
1027	"	S	1	BH02-1'		3									X			1.9	
1029	"	S	1	BH02-2'		4									X			2.9	

Analysis and Method

EPA Program: SDWA; CWA; RCRA

Compliance: Y or N

PWSID #

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/6/25	0711	Michelle Gonzales	11.6.25	0711
Michelle Gonzales	11-6-25	1230	Nathan Gonzales	11-6-25	1230
Nathan Gonzales	11-6-25	1640	Cassidy Bay	11-6-25	1645
Cassidy Bay	11-6-25	2115	Cath Ma	11.7.25	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: 11/7/2025 9:33:12AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	11/07/25 08:00	Work Order ID:	E511047
Phone:	(972) 371-5200	Date Logged In:	11/06/25 16:02	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/13/25 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:	Mama Joe Fed Com #133H
Work Order:	E511048
Job Number:	23003-0002
Received:	11/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/13/25

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: 11/13/25

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

Project Name: Mama Joe Fed Com #133H
Workorder: E511048
Date Received: 11/7/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2025 8:00:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H 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
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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/25 15:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04-0'	E511048-01A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.
BH04-.5'	E511048-02A	Soil	11/05/25	11/07/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:29:22PM

BH04-0'

E511048-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	ND	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/12/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*121 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**68.4**	25.0	1	11/07/25	11/08/25	
Oil Range Organics (C28-C36)	**162**	50.0	1	11/07/25	11/08/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*11/07/25*	*11/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2546023
Chloride	**764**	20.0	1	11/10/25	11/11/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:29:22PM

BH04-.5'

E511048-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	ND	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/12/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*122 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*11/07/25*	*11/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	**206**	25.0	1	11/07/25	11/08/25	
Oil Range Organics (C28-C36)	**419**	50.0	1	11/07/25	11/08/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*11/07/25*	*11/08/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2546023
Chloride	**2860**	40.0	2	11/10/25	11/11/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:29:22PM

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 (2545144-BLK1)									Prepared: 11/07/25 Analyzed: 11/12/25
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	*9.39*		*8.00*		*117*	*70-130*			
LCS (2545144-BS1)									Prepared: 11/07/25 Analyzed: 11/12/25
Benzene	4.46	0.0250	5.00		89.1	70-130			
Ethylbenzene	4.24	0.0250	5.00		84.8	70-130			
Toluene	4.34	0.0250	5.00		86.9	70-130			
o-Xylene	4.32	0.0250	5.00		86.4	70-130			
p,m-Xylene	8.65	0.0500	10.0		86.5	70-130			
Total Xylenes	13.0	0.0250	15.0		86.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.15*		*8.00*		*114*	*70-130*			
Matrix Spike (2545144-MS1)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Benzene	4.15	0.0250	5.00	ND	83.0	70-130			
Ethylbenzene	4.00	0.0250	5.00	ND	80.1	70-130			
Toluene	4.08	0.0250	5.00	ND	81.5	70-130			
o-Xylene	4.11	0.0250	5.00	ND	82.2	70-130			
p,m-Xylene	8.21	0.0500	10.0	ND	82.1	70-130			
Total Xylenes	12.3	0.0250	15.0	ND	82.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*9.90*		*8.00*		*124*	*70-130*			
Matrix Spike Dup (2545144-MSD1)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Benzene	4.01	0.0250	5.00	ND	80.2	70-130	3.48	27	
Ethylbenzene	3.86	0.0250	5.00	ND	77.3	70-130	3.56	26	
Toluene	3.92	0.0250	5.00	ND	78.5	70-130	3.81	20	
o-Xylene	3.95	0.0250	5.00	ND	78.9	70-130	4.08	25	
p,m-Xylene	7.91	0.0500	10.0	ND	79.1	70-130	3.68	23	
Total Xylenes	11.9	0.0250	15.0	ND	79.1	70-130	3.82	26	
Surrogate: 4-Bromochlorobenzene-PID	*9.90*		*8.00*		*124*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:29:22PM

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 (2545144-BLK1)									Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.45*		*8.00*		*93.2*	*70-130*			
LCS (2545144-BS2)									Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
Matrix Spike (2545144-MS2)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.6*	*70-130*			
Matrix Spike Dup (2545144-MSD2)				**Source: E511046-04**					Prepared: 11/07/25 Analyzed: 11/12/25
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.3	70-130	1.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:29:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2545149-BLK1)									Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.5*		*50.0*		*99.0*	*61-141*			
LCS (2545149-BS1)									Prepared: 11/07/25 Analyzed: 11/07/25
Diesel Range Organics (C10-C28)	245	25.0	250		97.9	66-144			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.6*	*61-141*			
Matrix Spike (2545149-MS1)				**Source: E511047-03**					Prepared: 11/07/25 Analyzed: 11/11/25
Diesel Range Organics (C10-C28)	262	25.0	250	37.1	89.9	56-156			
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*61-141*			
Matrix Spike Dup (2545149-MSD1)				**Source: E511047-03**					Prepared: 11/07/25 Analyzed: 11/11/25
Diesel Range Organics (C10-C28)	272	25.0	250	37.1	93.8	56-156	3.70	20	
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/2025 3:29:22PM

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 (2546023-BLK1)									Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	ND	20.0							
LCS (2546023-BS1)									Prepared: 11/10/25 Analyzed: 11/10/25
Chloride	266	20.0	250		106	90-110			
Matrix Spike (2546023-MS1)				**Source: E511031-22**					Prepared: 11/10/25 Analyzed: 11/11/25
Chloride	5260	40.0	250	4800	186	80-120			M4
Matrix Spike Dup (2546023-MSD1)				**Source: E511031-22**					Prepared: 11/10/25 Analyzed: 11/11/25
Chloride	5060	40.0	250	4800	106	80-120	3.88	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/13/25 15:29

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

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

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

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E511048	1D 2D 3D Std	NM CO UT TX
Project Name:Mama Joe Fed Com 133H	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
1041	11/5/25	S	1	BH04 -0'		1									X			2.0	
1043	"	S	1	BH04 -.5'		2									X			2.5	

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: Eric Plugge, Higinio Gonzalez

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/6/25	0711	Michelle Gonzales	11-6-25	0711
Michelle Gonzales	11-6-25	1230	Nathan Gonzales	11-6-25	1230
Nathan Gonzales	11-6-25	1640	Cassidy Bo	11-6-25	1645
Cassidy Bo	11-6-25	2115	Carla Ma	11.7.25	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: 11/7/2025 9:34:30AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	11/07/25 08:00	Work Order ID:	E511048
Phone:	(972) 371-5200	Date Logged In:	11/06/25 16:02	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	11/13/25 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:	Mama Joe Fed Com #133H
Work Order:	E511335
Job Number:	23003-0002
Received:	11/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/1/25

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

Date Reported: 12/1/25

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

Project Name: Mama Joe Fed Com #133H
Workorder: E511335
Date Received: 11/24/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/24/2025 8:00:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H 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
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mgonzales@envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/01/25 16:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-2	E511335-01A	Soil	11/20/25	11/24/25	Glass Jar, 2 oz.
BH02-3	E511335-02A	Soil	11/20/25	11/24/25	Glass Jar, 2 oz.
BH02-4	E511335-03A	Soil	11/20/25	11/24/25	Glass Jar, 2 oz.
BH04-1	E511335-04A	Soil	11/20/25	11/24/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/1/2025 4:05:19PM

BH01-2

E511335-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2548020
Benzene	ND	0.0250	1	11/24/25	11/25/25	
Ethylbenzene	ND	0.0250	1	11/24/25	11/25/25	
Toluene	ND	0.0250	1	11/24/25	11/25/25	
o-Xylene	ND	0.0250	1	11/24/25	11/25/25	
p,m-Xylene	ND	0.0500	1	11/24/25	11/25/25	
Total Xylenes	ND	0.0250	1	11/24/25	11/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*11/24/25*	*11/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2548020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/25	11/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*11/24/25*	*11/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2548012
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/25	11/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/24/25	11/24/25	
Surrogate: n-Nonane		*92.6 %*	*61-141*	*11/24/25*	*11/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2548024
Chloride	**49.5**	20.0	1	11/24/25	11/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/1/2025 4:05:19PM

BH02-3

E511335-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2548020
Benzene	ND	0.0250	1	11/24/25	11/25/25	
Ethylbenzene	ND	0.0250	1	11/24/25	11/25/25	
Toluene	ND	0.0250	1	11/24/25	11/25/25	
o-Xylene	ND	0.0250	1	11/24/25	11/25/25	
p,m-Xylene	ND	0.0500	1	11/24/25	11/25/25	
Total Xylenes	ND	0.0250	1	11/24/25	11/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.5 %*	*70-130*	*11/24/25*	*11/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2548020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/25	11/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*11/24/25*	*11/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2548012
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/25	11/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/24/25	11/24/25	
Surrogate: n-Nonane		*95.2 %*	*61-141*	*11/24/25*	*11/24/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2548024
Chloride	**222**	20.0	1	11/24/25	11/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/1/2025 4:05:19PM

BH02-4

E511335-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2548020
Benzene	ND	0.0250	1	11/24/25	11/25/25	
Ethylbenzene	ND	0.0250	1	11/24/25	11/25/25	
Toluene	ND	0.0250	1	11/24/25	11/25/25	
o-Xylene	ND	0.0250	1	11/24/25	11/25/25	
p,m-Xylene	ND	0.0500	1	11/24/25	11/25/25	
Total Xylenes	ND	0.0250	1	11/24/25	11/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.8 %*	*70-130*	*11/24/25*	*11/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2548020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/25	11/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*11/24/25*	*11/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2548012
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/25	11/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/24/25	11/25/25	
Surrogate: n-Nonane		*99.7 %*	*61-141*	*11/24/25*	*11/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2548024
Chloride	**90.8**	20.0	1	11/24/25	11/24/25	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/1/2025 4:05:19PM

BH04-1

E511335-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2548020
Benzene	ND	0.0250	1	11/24/25	11/25/25	
Ethylbenzene	ND	0.0250	1	11/24/25	11/25/25	
Toluene	ND	0.0250	1	11/24/25	11/25/25	
o-Xylene	ND	0.0250	1	11/24/25	11/25/25	
p,m-Xylene	ND	0.0500	1	11/24/25	11/25/25	
Total Xylenes	ND	0.0250	1	11/24/25	11/25/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.6 %*	*70-130*	*11/24/25*	*11/25/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2548020
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/25	11/25/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*11/24/25*	*11/25/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2548012
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/25	11/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/24/25	11/25/25	
Surrogate: n-Nonane		*99.0 %*	*61-141*	*11/24/25*	*11/25/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2548024
Chloride	**163**	20.0	1	11/24/25	11/24/25	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/1/2025 4:05:19PM

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 (2548020-BLK1)									Prepared: 11/24/25 Analyzed: 11/24/25
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	*7.11*		*8.00*		*88.9*	*70-130*			
LCS (2548020-BS1)									Prepared: 11/24/25 Analyzed: 11/24/25
Benzene	4.13	0.0250	5.00		82.7	70-130			
Ethylbenzene	3.91	0.0250	5.00		78.1	70-130			
Toluene	4.04	0.0250	5.00		80.9	70-130			
o-Xylene	4.01	0.0250	5.00		80.2	70-130			
p,m-Xylene	8.02	0.0500	10.0		80.2	70-130			
Total Xylenes	12.0	0.0250	15.0		80.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.26*		*8.00*		*90.8*	*70-130*			
Matrix Spike (2548020-MS1)				**Source: E511330-03**					Prepared: 11/24/25 Analyzed: 11/24/25
Benzene	4.88	0.0250	5.00	ND	97.5	70-130			
Ethylbenzene	4.57	0.0250	5.00	ND	91.4	70-130			
Toluene	4.75	0.0250	5.00	ND	95.0	70-130			
o-Xylene	4.68	0.0250	5.00	ND	93.5	70-130			
p,m-Xylene	9.33	0.0500	10.0	ND	93.3	70-130			
Total Xylenes	14.0	0.0250	15.0	ND	93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike Dup (2548020-MSD1)				**Source: E511330-03**					Prepared: 11/24/25 Analyzed: 11/24/25
Benzene	4.50	0.0250	5.00	ND	90.0	70-130	8.05	27	
Ethylbenzene	4.18	0.0250	5.00	ND	83.7	70-130	8.82	26	
Toluene	4.37	0.0250	5.00	ND	87.4	70-130	8.36	20	
o-Xylene	4.34	0.0250	5.00	ND	86.8	70-130	7.46	25	
p,m-Xylene	8.56	0.0500	10.0	ND	85.6	70-130	8.65	23	
Total Xylenes	12.9	0.0250	15.0	ND	86.0	70-130	8.25	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.58*		*8.00*		*94.7*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/1/2025 4:05:19PM

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 (2548020-BLK1)									Prepared: 11/24/25 Analyzed: 11/24/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*8.00*		*92.7*	*70-130*			
LCS (2548020-BS2)									Prepared: 11/24/25 Analyzed: 11/24/25
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0		81.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.9*	*70-130*			
Matrix Spike (2548020-MS2)				**Source: E511330-03**					Prepared: 11/24/25 Analyzed: 11/24/25
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.07*		*8.00*		*88.4*	*70-130*			
Matrix Spike Dup (2548020-MSD2)				**Source: E511330-03**					Prepared: 11/24/25 Analyzed: 11/24/25
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.5	70-130	16.1	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.21*		*8.00*		*90.1*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/1/2025 4:05:19PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2548012-BLK1)									Prepared: 11/24/25 Analyzed: 11/24/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.3*		*50.0*		*88.6*	*61-141*			
LCS (2548012-BS1)									Prepared: 11/24/25 Analyzed: 11/24/25
Diesel Range Organics (C10-C28)	241	25.0	250		96.4	66-144			
Surrogate: n-Nonane	*45.2*		*50.0*		*90.4*	*61-141*			
Matrix Spike (2548012-MS1)				**Source: E511330-03**					Prepared: 11/24/25 Analyzed: 11/24/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	*47.8*		*50.0*		*95.6*	*61-141*			
Matrix Spike Dup (2548012-MSD1)				**Source: E511330-03**					Prepared: 11/24/25 Analyzed: 11/24/25
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.4	56-156	2.37	20	
Surrogate: n-Nonane	*46.5*		*50.0*		*93.0*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/1/2025 4:05:19PM

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 (2548024-BLK1)									Prepared: 11/24/25 Analyzed: 11/24/25
Chloride	ND	20.0							
LCS (2548024-BS1)									Prepared: 11/24/25 Analyzed: 11/24/25
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2548024-MS1)				**Source: E511336-02**					Prepared: 11/24/25 Analyzed: 11/24/25
Chloride	1970	20.0	250	1600	145	80-120			M4
Matrix Spike Dup (2548024-MSD1)				**Source: E511336-02**					Prepared: 11/24/25 Analyzed: 11/24/25
Chloride	1960	20.0	250	1600	141	80-120	0.466	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:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	12/01/25 16:05

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

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

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

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Ensolum LLC	Lab WO# E511335	Job Number 23003-0002	1D 2D 3D Std: x	NM: X CO UT TX
Project Name: Mama Joe Fed Com 133H	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
0900	11/20/25	S	1	BH01-2		1									X			2.9	
1138	11/20/25	S	1	BH02-3		2									X			2.8	
1144	11/20/25	S	1	BH02-4		3									X			3.0	
1012	11/20/25	S	1	BH04-1		4									X			3.2	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Eric Plugge

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
				11.21.25	1049
	11.21.25	1500	Marissa Gonzales	11-23-25	2100
Marissa Gonzales	11-24-25	0215		11-24-25	0215
	11-24-25	0545	Caitlyn Mar	11.24.25	800

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: 11/24/2025 10:18:53AM

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:	11/24/25 08:00	Work Order ID:	E511335
Phone:	(972) 371-5200	Date Logged In:	11/24/25 09:15	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	12/02/25 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

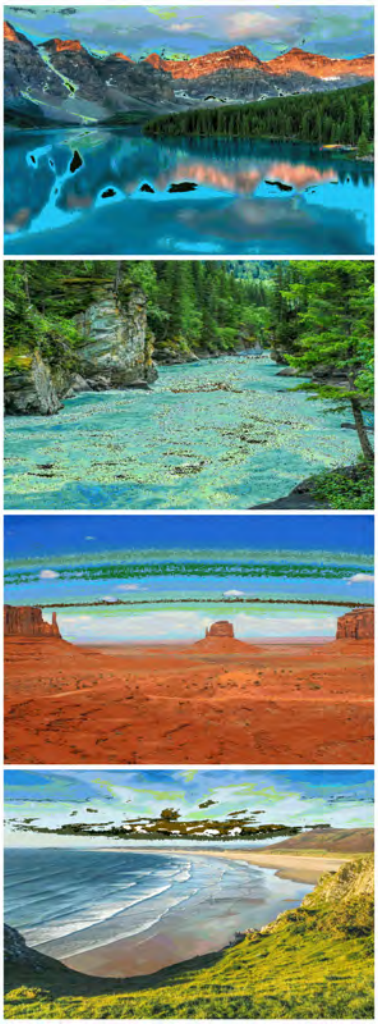
Signature of client authorizing changes to the COC or sample disposition.

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:	Mama Joe Fed Com #133H
Work Order:	E601082
Job Number:	23003-0002
Received:	1/14/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/20/26

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: 1/20/26

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

Project Name: Mama Joe Fed Com #133H
Workorder: E601082
Date Received: 1/14/2026 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/14/2026 7:00:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H 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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Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/20/26 10:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS13-0.5'	E601082-01A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS14-0.5'	E601082-02A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS15-0.5'	E601082-03A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS16-0.5'	E601082-04A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS17-0.5'	E601082-05A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS18-0.5'	E601082-06A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS19-0.5'	E601082-07A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS20-0.5'	E601082-08A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS21-0.5'	E601082-09A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS22-0.5'	E601082-10A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS23-0.5'	E601082-11A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS24-0.5'	E601082-12A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS25-0.5'	E601082-13A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS26-0.5'	E601082-14A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS31-0.5'	E601082-15A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS32-0.5'	E601082-16A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS33-0.5'	E601082-17A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS34-0.5'	E601082-18A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS35-0.5'	E601082-19A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.
FS36-0.5'	E601082-20A	Soil	01/12/26	01/14/26	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS13-0.5'

E601082-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*129 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**34.6**	25.0	1	01/15/26	01/15/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/26	01/15/26	
Surrogate: n-Nonane		*106 %*	*61-141*	*01/15/26*	*01/15/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**2260**	40.0	2	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS14-0.5'

E601082-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*125 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**492**	25.0	1	01/15/26	01/15/26	
Oil Range Organics (C28-C36)	**283**	50.0	1	01/15/26	01/15/26	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/15/26*	*01/15/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1530**	20.0	1	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS15-0.5'

E601082-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*130 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**230**	25.0	1	01/15/26	01/15/26	
Oil Range Organics (C28-C36)	**93.3**	50.0	1	01/15/26	01/15/26	
Surrogate: n-Nonane		*104 %*	*61-141*	*01/15/26*	*01/15/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1520**	20.0	1	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS16-0.5'

E601082-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*130 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**156**	25.0	1	01/15/26	01/15/26	
Oil Range Organics (C28-C36)	**82.2**	50.0	1	01/15/26	01/15/26	
Surrogate: n-Nonane		*104 %*	*61-141*	*01/15/26*	*01/15/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1640**	20.0	1	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS17-0.5'

E601082-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*130 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.1 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**439**	25.0	1	01/15/26	01/17/26	
Oil Range Organics (C28-C36)	**85.3**	50.0	1	01/15/26	01/17/26	
Surrogate: n-Nonane		*103 %*	*61-141*	*01/15/26*	*01/17/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1160**	20.0	1	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS18-0.5'

E601082-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*130 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**581**	25.0	1	01/15/26	01/15/26	
Oil Range Organics (C28-C36)	**138**	50.0	1	01/15/26	01/15/26	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/15/26*	*01/15/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1180**	20.0	1	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS19-0.5'

E601082-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*131 %*	*70-130*	*01/14/26*	*01/17/26*	*S3*
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.2 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**332**	25.0	1	01/15/26	01/15/26	
Oil Range Organics (C28-C36)	**53.1**	50.0	1	01/15/26	01/15/26	
Surrogate: n-Nonane		*104 %*	*61-141*	*01/15/26*	*01/15/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**4170**	40.0	2	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS20-0.5'

E601082-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*128 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.1 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**218**	25.0	1	01/15/26	01/15/26	
Oil Range Organics (C28-C36)	**101**	50.0	1	01/15/26	01/15/26	
Surrogate: n-Nonane		*104 %*	*61-141*	*01/15/26*	*01/15/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1550**	20.0	1	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS21-0.5'

E601082-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*129 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**108**	25.0	1	01/15/26	01/15/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/26	01/15/26	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/15/26*	*01/15/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**2040**	40.0	2	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS22-0.5'

E601082-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*130 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**270**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*108 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1330**	20.0	1	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS23-0.5'

E601082-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*128 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.8 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**35.9**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*103 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**2260**	40.0	2	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS24-0.5'

E601082-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*127 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.4 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**687**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	**108**	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**2980**	40.0	2	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS25-0.5'

E601082-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*132 %*	*70-130*	*01/14/26*	*01/17/26*	*S3*
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.9 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**766**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	**121**	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**3020**	40.0	2	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS26-0.5'

E601082-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*128 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**273**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	**101**	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1870**	40.0	2	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS31-0.5'

E601082-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*127 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.1 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**109**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*103 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**2150**	40.0	2	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS32-0.5'

E601082-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*126 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**191**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*102 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1520**	40.0	2	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS33-0.5'

E601082-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*129 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**486**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	**305**	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*106 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1760**	20.0	1	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS34-0.5'

E601082-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*128 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**168**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*105 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1080**	20.0	1	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS35-0.5'

E601082-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*128 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**72.9**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*104 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1420**	20.0	1	01/14/26	01/14/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

FS36-0.5'

E601082-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Benzene	ND	0.0250	1	01/14/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/14/26	01/17/26	
Toluene	ND	0.0250	1	01/14/26	01/17/26	
o-Xylene	ND	0.0250	1	01/14/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/14/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/14/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*127 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2603076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/14/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603106
Diesel Range Organics (C10-C28)	**223**	25.0	1	01/15/26	01/16/26	
Oil Range Organics (C28-C36)	**101**	50.0	1	01/15/26	01/16/26	
Surrogate: n-Nonane		*101 %*	*61-141*	*01/15/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603083
Chloride	**1490**	20.0	1	01/14/26	01/14/26	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

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 (2603076-BLK1)									Prepared: 01/14/26 Analyzed: 01/17/26
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	*10.0*		*8.00*		*125*	*70-130*			
LCS (2603076-BS1)									Prepared: 01/14/26 Analyzed: 01/17/26
Benzene	4.37	0.0250	5.00		87.4	70-130			
Ethylbenzene	4.29	0.0250	5.00		85.7	70-130			
Toluene	4.35	0.0250	5.00		87.1	70-130			
o-Xylene	4.40	0.0250	5.00		88.0	70-130			
p,m-Xylene	8.76	0.0500	10.0		87.6	70-130			
Total Xylenes	13.2	0.0250	15.0		87.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*10.1*		*8.00*		*126*	*70-130*			
Matrix Spike (2603076-MS1)				**Source: E601082-02**					Prepared: 01/14/26 Analyzed: 01/17/26
Benzene	4.63	0.0250	5.00	ND	92.5	70-130			
Ethylbenzene	4.49	0.0250	5.00	ND	89.8	70-130			
Toluene	4.58	0.0250	5.00	ND	91.7	70-130			
o-Xylene	4.61	0.0250	5.00	ND	92.2	70-130			
p,m-Xylene	9.14	0.0500	10.0	ND	91.4	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*10.1*		*8.00*		*127*	*70-130*			
Matrix Spike Dup (2603076-MSD1)				**Source: E601082-02**					Prepared: 01/14/26 Analyzed: 01/17/26
Benzene	4.42	0.0250	5.00	ND	88.4	70-130	4.61	27	
Ethylbenzene	4.30	0.0250	5.00	ND	86.0	70-130	4.31	26	
Toluene	4.37	0.0250	5.00	ND	87.5	70-130	4.69	20	
o-Xylene	4.42	0.0250	5.00	ND	88.5	70-130	4.14	25	
p,m-Xylene	8.77	0.0500	10.0	ND	87.7	70-130	4.23	23	
Total Xylenes	13.2	0.0250	15.0	ND	87.9	70-130	4.20	26	
Surrogate: 4-Bromochlorobenzene-PID	*10.2*		*8.00*		*128*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

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 (2603076-BLK1)									Prepared: 01/14/26 Analyzed: 01/17/26
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.8*	*70-130*			
LCS (2603076-BS2)									Prepared: 01/14/26 Analyzed: 01/17/26
Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.87*		*8.00*		*98.4*	*70-130*			
Matrix Spike (2603076-MS2)				**Source: E601082-02**					Prepared: 01/14/26 Analyzed: 01/17/26
Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
Matrix Spike Dup (2603076-MSD2)				**Source: E601082-02**					Prepared: 01/14/26 Analyzed: 01/17/26
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.5	70-130	2.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

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 (2603106-BLK1)									Prepared: 01/15/26 Analyzed: 01/15/26
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.0*		*50.0*		*98.1*	*61-141*			
LCS (2603106-BS1)									Prepared: 01/15/26 Analyzed: 01/15/26
Diesel Range Organics (C10-C28)	247	25.0	250		98.8	66-144			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*61-141*			
Matrix Spike (2603106-MS1)				**Source: E601082-05**					Prepared: 01/15/26 Analyzed: 01/17/26
Diesel Range Organics (C10-C28)	790	25.0	250	439	140	56-156			
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*61-141*			
Matrix Spike Dup (2603106-MSD1)				**Source: E601082-05**					Prepared: 01/15/26 Analyzed: 01/17/26
Diesel Range Organics (C10-C28)	655	25.0	250	439	86.3	56-156	18.7	20	
Surrogate: n-Nonane	*49.9*		*50.0*		*99.9*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/20/2026 10:52:13AM

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 (2603083-BLK1)									Prepared: 01/14/26 Analyzed: 01/14/26
Chloride	ND	20.0							
LCS (2603083-BS1)									Prepared: 01/14/26 Analyzed: 01/14/26
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2603083-MS1)				**Source: E601082-04**					Prepared: 01/14/26 Analyzed: 01/14/26
Chloride	1990	20.0	250	1640	138	80-120			M4
Matrix Spike Dup (2603083-MSD1)				**Source: E601082-04**					Prepared: 01/14/26 Analyzed: 01/14/26
Chloride	1760	20.0	250	1640	49.8	80-120	11.8	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:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/20/26 10:52

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.
S3	Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Matador Production Company	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Mama Joe Fed Com 133H	Address: 3122 National Parks Hwy	E601082	23003.0002				X	X				
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220											
Address: 3122 National Parks Hwy	Phone: 575-988-0055											
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com											
Phone: 575-988-0055	Miscellaneous:											
Email: agiovengo@ensolum.com												

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
14:37	1/12/2026	S	1	FS13-0.5'		1						X						3.8
14:53	1/12/2026	S	1	FS14-0.5'		2						X						4.0
14:38	1/12/2026	S	1	FS15-0.5'		3						X						3.6
14:39	1/12/2026	S	1	FS16-0.5'		4						X						4.1
14:40	1/12/2026	S	1	FS17-0.5		5						X						4.2
14:41	1/12/2026	S	1	FS18-0.5'		6						X						4.5
14:42	1/12/2026	S	1	FS19-0.5'		7						X						4.3
14:54	1/12/2026	S	1	FS20-0.5'		8						X						3.9
14:55	1/12/2026	S	1	FS21-0.5'		9						X						4.4
14:56	1/12/2026	S	1	FS22-0.5		10						X						3.7

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/13/26	7:11	Michelle Gonzales	1-13-26	0711
Michelle Gonzales	1-13-26	1430	Marissa Gonzales	1-13-26	1430
Marissa Gonzales	1-13-26	1835		1-13-26	1835
	1-13-26	2230		1-14-26	0700

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C _____

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

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

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

envirotech

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Matador Production Company	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Mama Joe Fed Com 133H	Address: 3122 National Parks Hwy	E401082	23003.0002				X	X				
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220											
Address: 3122 National Parks Hwy	Phone: 575-988-0055											
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com											
Phone: 575-988-0055	Miscellaneous:											
Email: agiovengo@ensolum.com												

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				EPA Program SDWA / CWA / RCRA: Compliance Y or N; PWSID # / Remarks
14:57	1/12/2026	S	1	FS23-0.5'		11						X						3.9
14:52	1/12/2026	S	1	FS24-0.5'		12						X						3.6
15:04	1/12/2026	S	1	FS25-0.5'		13						X						3.8
15:07	1/12/2026	S	1	FS26-0.5'		14						X						3.3
14:47	1/12/2026	S	1	FS31-0.5'		15						X						4.0
14:48	1/12/2026	S	1	FS32-0.5'		16						X						4.1
14:49	1/12/2026	S	1	FS33-0.5'		17						X						3.7
15:02	1/12/2026	S	1	FS34-0.5'		18						X						3.6
15:03	1/12/2026	S	1	FS35-0.5'		19						X						4.0
15:03	1/12/2026	S	1	FS36-0.5'		20						X						3.3

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/13/26	7:11	Michelle Gonzales	1-13-26	0711
Michelle Gonzales	1-13-26	1430	Marissa Gonzales	1-13-26	1430
Marissa Gonzales	1-13-26	1835		1-13-26	1835
	1-13-26	2230	Noe Soto	1-14-26	0700

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

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/14/2026 9:51:49AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	01/14/26 07:00	Work Order ID:	E601082
Phone:	(972) 371-5200	Date Logged In:	01/13/26 16:08	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/20/26 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

L-NS
R-CM

Client Instruction

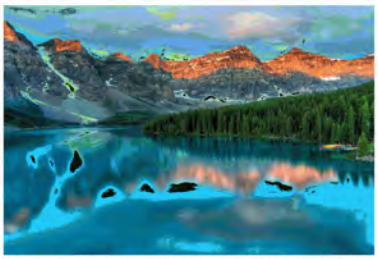
Signature of client authorizing changes to the COC or sample disposition.

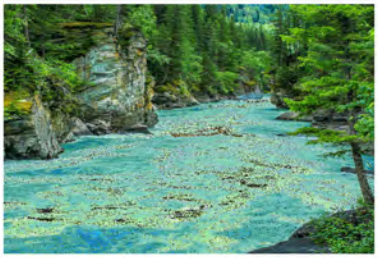
Date

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:	Mama Joe Fed Com #133H
Work Order:	E601101
Job Number:	23003-0002
Received:	1/15/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/21/26

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: 1/21/26

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

Project Name: Mama Joe Fed Com #133H
Workorder: E601101
Date Received: 1/15/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/15/2026 8:00:00AM, under the Project Name: Mama Joe Fed Com #133H.

The analytical test results summarized in this report with the Project Name: Mama Joe Fed Com #133H 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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Sample Summary

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/21/26 08:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-1'	E601101-01A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS02-1'	E601101-02A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS03-1'	E601101-03A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS04-1'	E601101-04A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS05-1'	E601101-05A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS06-1'	E601101-06A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS07-1'	E601101-07A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS08-1'	E601101-08A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS09-1'	E601101-09A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS10-1'	E601101-10A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS11-1'	E601101-11A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS12-0.5'	E601101-12A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS27-0.5'	E601101-13A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS28-0.5'	E601101-14A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS29-0.5'	E601101-15A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS30-0.5'	E601101-16A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS37-0.5'	E601101-17A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS38-0.5'	E601101-18A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS39-0.5'	E601101-19A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS40-0.5'	E601101-20A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS41-0.5'	E601101-21A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS42-0.5'	E601101-22A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS43-0.5'	E601101-23A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS44-0.5'	E601101-24A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS45-0.5'	E601101-25A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS46-0.5'	E601101-26A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS47-0.5'	E601101-27A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS48-0.5'	E601101-28A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS49-0.5'	E601101-29A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS50-0.5'	E601101-30A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS51-0.5'	E601101-31A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS52-0.5'	E601101-32A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS53-0.5'	E601101-33A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS54-0.5'	E601101-34A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
FS55-0.5'	E601101-35A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.
SW01-0'-1'	E601101-36A	Soil	01/13/26	01/15/26	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS01-1'

E601101-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*94.6 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**195**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS02-1'

E601101-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**302**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*89.3 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**1310**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS03-1'

E601101-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*112 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**54.2**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*93.2 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**446**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS04-1'

E601101-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*94.6 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**476**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS05-1'

E601101-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**214**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*90.3 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**1110**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS06-1'

E601101-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**155**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*91.3 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**1030**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS07-1'

E601101-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*119 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**85.4**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*92.0 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**1070**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS08-1'

E601101-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**88.2**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*91.2 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**1510**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS09-1'

E601101-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**451**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*88.5 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**1890**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS10-1'

E601101-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**173**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*87.0 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**1210**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS11-1'

E601101-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*90.1 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**733**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS12-0.5'

E601101-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**118**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*90.8 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**640**	20.0	1	01/15/26	01/15/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS27-0.5'

E601101-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*119 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**52.2**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*90.4 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**341**	20.0	1	01/15/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS28-0.5'

E601101-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**202**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*86.6 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**988**	20.0	1	01/15/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS29-0.5'

E601101-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*116 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**346**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*89.3 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**1200**	20.0	1	01/15/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS30-0.5'

E601101-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*119 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**146**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*86.0 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**803**	20.0	1	01/15/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS37-0.5'

E601101-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*120 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**61.1**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*93.5 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**305**	20.0	1	01/15/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS38-0.5'

E601101-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*123 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**48.9**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*92.7 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**602**	20.0	1	01/15/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS39-0.5'

E601101-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*115 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*121 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*93.5 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**385**	20.0	1	01/15/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS40-0.5'

E601101-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Benzene	ND	0.0250	1	01/15/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/15/26	01/17/26	
Toluene	ND	0.0250	1	01/15/26	01/17/26	
o-Xylene	ND	0.0250	1	01/15/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/15/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/15/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603121
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*123 %*	*70-130*	*01/15/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2603131
Diesel Range Organics (C10-C28)	**83.4**	25.0	1	01/16/26	01/16/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/16/26	
Surrogate: n-Nonane		*91.2 %*	*61-141*	*01/16/26*	*01/16/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2603112
Chloride	**606**	20.0	1	01/15/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS41-0.5'

E601101-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*116 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**149**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*91.3 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**1050**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS42-0.5'

E601101-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*115 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*88.2 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**751**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS43-0.5'

E601101-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**120**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*87.9 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**632**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS44-0.5'

E601101-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/16/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/16/26	
Toluene	ND	0.0250	1	01/16/26	01/16/26	
o-Xylene	ND	0.0250	1	01/16/26	01/16/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/16/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/16/26	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*01/16/26*	*01/16/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/16/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*01/16/26*	*01/16/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**49.2**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*88.6 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**242**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS45-0.5'

E601101-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*115 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**341**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*89.9 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**1190**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS46-0.5'

E601101-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**58.8**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*88.9 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**897**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS47-0.5'

E601101-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**201**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*89.0 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**1060**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS48-0.5'

E601101-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**112**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*89.0 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**1040**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS49-0.5'

E601101-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*117 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*90.2 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**780**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS50-0.5'

E601101-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*116 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**264**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*89.0 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**1350**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS51-0.5'

E601101-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**428**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*87.1 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**1650**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS52-0.5'

E601101-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*119 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*90.0 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**740**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS53-0.5'

E601101-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*118 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**134**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*89.9 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**638**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS54-0.5'

E601101-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*110 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*116 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*89.1 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**770**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

FS55-0.5'

E601101-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*119 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**172**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*90.8 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**668**	20.0	1	01/16/26	01/16/26	

Sample Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

SW01-0'-1'

E601101-36

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Benzene	ND	0.0250	1	01/16/26	01/17/26	
Ethylbenzene	ND	0.0250	1	01/16/26	01/17/26	
Toluene	ND	0.0250	1	01/16/26	01/17/26	
o-Xylene	ND	0.0250	1	01/16/26	01/17/26	
p,m-Xylene	ND	0.0500	1	01/16/26	01/17/26	
Total Xylenes	ND	0.0250	1	01/16/26	01/17/26	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB			Batch: 2603128
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/26	01/17/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*120 %*	*70-130*	*01/16/26*	*01/17/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2604018
Diesel Range Organics (C10-C28)	**206**	25.0	1	01/16/26	01/19/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/26	01/19/26	
Surrogate: n-Nonane		*90.2 %*	*61-141*	*01/16/26*	*01/19/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2603118
Chloride	**901**	20.0	1	01/16/26	01/16/26	

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

Volatile Organics by EPA 8021B

Analyst: MB

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2603121-BLK1)									Prepared: 01/15/26 Analyzed: 01/17/26
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	*8.73*		*8.00*		*109*	*70-130*			
LCS (2603121-BS1)									Prepared: 01/15/26 Analyzed: 01/17/26
Benzene	3.77	0.0250	5.00		75.5	70-130			
Ethylbenzene	3.66	0.0250	5.00		73.2	70-130			
Toluene	3.79	0.0250	5.00		75.9	70-130			
o-Xylene	3.72	0.0250	5.00		74.4	70-130			
p,m-Xylene	7.48	0.0500	10.0		74.8	70-130			
Total Xylenes	11.2	0.0250	15.0		74.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.75*		*8.00*		*109*	*70-130*			
Matrix Spike (2603121-MS1)				**Source: E601101-12**					Prepared: 01/15/26 Analyzed: 01/17/26
Benzene	4.27	0.0250	5.00	ND	85.3	70-130			
Ethylbenzene	4.15	0.0250	5.00	ND	83.0	70-130			
Toluene	4.30	0.0250	5.00	ND	85.9	70-130			
o-Xylene	4.21	0.0250	5.00	ND	84.1	70-130			
p,m-Xylene	8.46	0.0500	10.0	ND	84.6	70-130			
Total Xylenes	12.7	0.0250	15.0	ND	84.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.85*		*8.00*		*111*	*70-130*			
Matrix Spike Dup (2603121-MSD1)				**Source: E601101-12**					Prepared: 01/15/26 Analyzed: 01/17/26
Benzene	4.41	0.0250	5.00	ND	88.2	70-130	3.28	27	
Ethylbenzene	4.31	0.0250	5.00	ND	86.1	70-130	3.64	26	
Toluene	4.46	0.0250	5.00	ND	89.1	70-130	3.65	20	
o-Xylene	4.36	0.0250	5.00	ND	87.3	70-130	3.62	25	
p,m-Xylene	8.77	0.0500	10.0	ND	87.7	70-130	3.69	23	
Total Xylenes	13.1	0.0250	15.0	ND	87.6	70-130	3.66	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.99*		*8.00*		*112*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

Volatile Organics by EPA 8021B

Analyst: MB

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2603128-BLK1)									Prepared: 01/16/26 Analyzed: 01/16/26
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	*8.55*		*8.00*		*107*	*70-130*			
LCS (2603128-BS1)									Prepared: 01/16/26 Analyzed: 01/16/26
Benzene	4.27	0.0250	5.00		85.5	70-130			
Ethylbenzene	4.15	0.0250	5.00		83.1	70-130			
Toluene	4.29	0.0250	5.00		85.8	70-130			
o-Xylene	4.23	0.0250	5.00		84.5	70-130			
p,m-Xylene	8.51	0.0500	10.0		85.1	70-130			
Total Xylenes	12.7	0.0250	15.0		84.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.61*		*8.00*		*108*	*70-130*			
Matrix Spike (2603128-MS1)				**Source: E601101-24**					Prepared: 01/16/26 Analyzed: 01/16/26
Benzene	4.70	0.0250	5.00	ND	94.1	70-130			
Ethylbenzene	4.60	0.0250	5.00	ND	92.0	70-130			
Toluene	4.73	0.0250	5.00	ND	94.5	70-130			
o-Xylene	4.67	0.0250	5.00	ND	93.4	70-130			
p,m-Xylene	9.41	0.0500	10.0	ND	94.1	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.57*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2603128-MSD1)				**Source: E601101-24**					Prepared: 01/16/26 Analyzed: 01/16/26
Benzene	4.37	0.0250	5.00	ND	87.4	70-130	7.37	27	
Ethylbenzene	4.26	0.0250	5.00	ND	85.3	70-130	7.54	26	
Toluene	4.40	0.0250	5.00	ND	87.9	70-130	7.21	20	
o-Xylene	4.32	0.0250	5.00	ND	86.4	70-130	7.71	25	
p,m-Xylene	8.74	0.0500	10.0	ND	87.4	70-130	7.39	23	
Total Xylenes	13.1	0.0250	15.0	ND	87.0	70-130	7.50	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.58*		*8.00*		*107*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2603121-BLK1)									Prepared: 01/15/26 Analyzed: 01/17/26
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.41*		*8.00*		*118*	*70-130*			
LCS (2603121-BS2)									Prepared: 01/15/26 Analyzed: 01/17/26
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.71*		*8.00*		*121*	*70-130*			
Matrix Spike (2603121-MS2)				**Source: E601101-12**					Prepared: 01/15/26 Analyzed: 01/17/26
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.47*		*8.00*		*118*	*70-130*			
Matrix Spike Dup (2603121-MSD2)				**Source: E601101-12**					Prepared: 01/15/26 Analyzed: 01/17/26
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130	4.89	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.57*		*8.00*		*120*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2603128-BLK1)									Prepared: 01/16/26 Analyzed: 01/16/26
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.84*		*8.00*		*110*	*70-130*			
LCS (2603128-BS2)									Prepared: 01/16/26 Analyzed: 01/16/26
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.79*		*8.00*		*110*	*70-130*			
Matrix Spike (2603128-MS2)				**Source: E601101-24**					Prepared: 01/16/26 Analyzed: 01/16/26
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.01*		*8.00*		*113*	*70-130*			
Matrix Spike Dup (2603128-MSD2)				**Source: E601101-24**					Prepared: 01/16/26 Analyzed: 01/16/26
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130	3.39	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.99*		*8.00*		*112*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

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 (2603131-BLK1)									Prepared: 01/16/26 Analyzed: 01/16/26
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.3*		*50.0*		*84.5*	*61-141*			
LCS (2603131-BS1)									Prepared: 01/16/26 Analyzed: 01/16/26
Diesel Range Organics (C10-C28)	224	25.0	250		89.7	66-144			
Surrogate: n-Nonane	*42.8*		*50.0*		*85.5*	*61-141*			
Matrix Spike (2603131-MS1)				**Source: E601101-14**					Prepared: 01/16/26 Analyzed: 01/16/26
Diesel Range Organics (C10-C28)	481	25.0	250	202	112	56-156			
Surrogate: n-Nonane	*45.4*		*50.0*		*90.7*	*61-141*			
Matrix Spike Dup (2603131-MSD1)				**Source: E601101-14**					Prepared: 01/16/26 Analyzed: 01/16/26
Diesel Range Organics (C10-C28)	407	25.0	250	202	82.1	56-156	16.7	20	
Surrogate: n-Nonane	*43.7*		*50.0*		*87.3*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

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 (2604018-BLK1)									Prepared: 01/19/26 Analyzed: 01/19/26
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 (2604018-BS1)									Prepared: 01/19/26 Analyzed: 01/19/26
Diesel Range Organics (C10-C28)	218	25.0	250		87.2	66-144			
Surrogate: n-Nonane	*42.2*		*50.0*		*84.3*	*61-141*			
Matrix Spike (2604018-MS1)				**Source: E601101-25RE1**					Prepared: 01/19/26 Analyzed: 01/19/26
Diesel Range Organics (C10-C28)	609	25.0	250	341	107	56-156			
Surrogate: n-Nonane	*44.8*		*50.0*		*89.5*	*61-141*			
Matrix Spike Dup (2604018-MSD1)				**Source: E601101-25RE1**					Prepared: 01/19/26 Analyzed: 01/19/26
Diesel Range Organics (C10-C28)	592	25.0	250	341	100	56-156	2.86	20	
Surrogate: n-Nonane	*44.1*		*50.0*		*88.2*	*61-141*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

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 (2603112-BLK1)									Prepared: 01/15/26 Analyzed: 01/15/26
Chloride	ND	20.0							
LCS (2603112-BS1)									Prepared: 01/15/26 Analyzed: 01/15/26
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2603112-MS1)				**Source: E601101-08**					Prepared: 01/15/26 Analyzed: 01/15/26
Chloride	1740	20.0	250	1510	93.3	80-120			
Matrix Spike Dup (2603112-MSD1)				**Source: E601101-08**					Prepared: 01/15/26 Analyzed: 01/15/26
Chloride	1710	20.0	250	1510	79.4	80-120	2.02	20	M4

QC Summary Data

Matador Resources, LLC.	Project Name:	Mama Joe Fed Com #133H	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2026 8:54:11AM

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 (2603118-BLK1)									Prepared: 01/16/26 Analyzed: 01/16/26
Chloride	ND	20.0							
LCS (2603118-BS1)									Prepared: 01/16/26 Analyzed: 01/16/26
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2603118-MS1)				**Source: E601101-24**					Prepared: 01/16/26 Analyzed: 01/16/26
Chloride	526	20.0	250	242	114	80-120			
Matrix Spike Dup (2603118-MSD1)				**Source: E601101-24**					Prepared: 01/16/26 Analyzed: 01/16/26
Chloride	564	20.0	250	242	129	80-120	6.84	20	M2

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:	Mama Joe Fed Com #133H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/21/26 08:54

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E600101	1D 2D 3D Std	NM CO UT TX
Project: Mama Joe Fed Com 133H	Address: 3122 National Parks Hwy	Job Number 23003.0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
9:04	1/13/2026	S	1	FS01-1'		1						X						3.1
9:14	1/13/2026	S	1	FS02-1'		2						X						1.6
9:21	1/13/2026	S	1	FS03-1'		3						X						1.8
9:05	1/13/2026	S	1	FS04-1'		4						X						2.0
9:16	1/13/2026	S	1	FS05-1'		5						X						1.8
9:10	1/13/2026	S	1	FS06-1'		6						X						2.6
9:07	1/13/2026	S	1	FS07-1'		7						X						2.4
9:18	1/13/2026	S	1	FS08-1'		8						X						1.8
9:18	1/13/2026	S	1	FS09-1'		9						X						1.6
9:19	1/13/2026	S	1	FS10-1'		10						X						1.0

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/14/26	7:11	Michelle Gonzales	1-14-26	0711
Michelle Gonzales	1-14-26	1445	Marissa Gonzales	1-14-26	1445
Marissa Gonzales	1-14-26	1920		1-14-26	1920
	1-14-26	2315		1-15-26	800

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

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

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

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

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Chain of Custody

Client Information	Invoice Information	Lab Use Only		TAT				State				
Client: Matador Production Company	Company: Ensolum LLC	Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project: Mama Joe Fed Com 133H	Address: 3122 National Parks Hwy	E601101	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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
9:20	1/13/2026	S	1	FS11-1'		11						X						1.4
9:36	1/13/2026	S	1	FS12-0.5'		12						X						2.8
12:10	1/13/2026	S	1	FS27-0.5		13						X						2.5
12:17	1/13/2026	S	1	FS28-0.5'		14						X						0.8
12:14	1/13/2026	S	1	FS29-0.5'		15						X						1.7
12:20	1/13/2026	S	1	FS30-0.5'		16						X						1.3
12:22	1/13/2026	S	1	FS37-0.5'		17						X						1.3
12:24	1/13/2026	S	1	FS38-0.5'		18						X						1.2
12:26	1/13/2026	S	1	FS39-0.5'		19						X						1.2
12:30	1/13/2026	S	1	FS40-0.5		20						X						1.3

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/14/26	7:11	Michelle Gonzales	1-14-26	0711
Michelle Gonzales	1-14-26	1445	Marissa Gonzales	1-14-26	1445
Marissa Gonzales	1-14-26	1920		1-14-26	1920
	1-14-26	2315		1.15.26	800

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C _____

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

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

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

Received by OCD: 2/11/2026 2:05:29 PM

Released to Imaging: 4/7/2026 3:34:03 PM

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Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E601101	1D 2D 3D Std	NM CO UT TX
Project: Mama Joe Fed Com 133H	Address: 3122 National Parks Hwy	Job Number 23C03-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
12:35	1/13/2026	S	1	FS41-0.5'		21						X						1.9
12:37	1/13/2026	S	1	FS42-0.5'		22						X						2.0
12:38	1/13/2026	S	1	FS43-0.5'		23						X						2.3
12:39	1/13/2026	S	1	FS44-0.5'		24						X						1.7
12:41	1/13/2026	S	1	FS45-0.5'		25						X						2.5
12:43	1/13/2026	S	1	FS46-0.5'		26						X						1.4
12:48	1/13/2026	S	1	FS47-0.5'		27						X						0.9
12:49	1/13/2026	S	1	FS48-0.5'		28						X						1.4
13:08	1/13/2026	S	1	FS49-0.5'		29						X						1.0
12:51	1/13/2026	S	1	FS50-0.5'		30						X						2.8

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/9/26	7:11	Michelle Gonzales	1-14-26	0711
Michelle Gonzales	1-14-26	1445	Marissa Gonzales	1-14-26	1445
Marissa Gonzales	1-14-26	1920		1-14-26	1920
	1-14-26	2315		1.15.26	800

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C

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

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

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

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Released to Imaging: 4/7/2026 3:34:03 PM
Received by OCD: 2/11/2026 2:05:29 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E601901	1D 2D 3D Std	NM CO UT TX
Project: Mama Joe Fed Com 133H	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	X
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
12:51	1/13/2026	S	1	FS51-0.5'		31						X						10.9
12:53	1/13/2026	S	1	FS52-0.5'		32						X						1.3
13:57	1/13/2026	S	1	FS53-0.5'		33						X						0.9
13:06	1/13/2026	S	1	FS54-0.5'		34						X						1.7
13:12	1/13/2026	S	1	FS55-0.5'		35						X						1.8
10:11	1/13/2026	S	1	SW01-0'-1'		36						X						2.8

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/14/26	7:11	Michelle Gonzales	1-14-26	0711
Michelle Gonzales	1-14-26	1445	Marissa Gonzales	1-14-26	1445
Marissa Gonzales	1-14-26	1920		1-14-26	1920
	1-14-26	2315		1-15-26	800

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C

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

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

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

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Envirotech Analytical Laboratory

Printed: 1/15/2026 10:22:43AM

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:	01/15/26 08:00	Work Order ID:	E601101
Phone:	(972) 371-5200	Date Logged In:	01/14/26 16:04	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/21/26 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes	
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

L-CM
R-NS

Client Instruction

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

Date

envirotech Inc.

ENSOLUM

APPENDIX F

NMOCD Correspondence

From: Rodgers, Scott, EMNRD
To: Chad Hamilton
Cc: Jason Touchet; Ashley Giovengo
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Mama Joe Fed Com 133 H - Incident Number nAPP2517526349
Date: Tuesday, September 23, 2025 8:21:13 AM
Attachments: image006.png
image007.png
image008.png
image009.png

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to December 21, 2025 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

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

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

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, September 22, 2025 12:11 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] Extension Request - Matador Production Company - Mama Joe Fed Com 133 H - Incident Number nAPP2517526349

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

Mr. Rodgers,

Matador Production Company (Matador) is requesting an extension of the current deadline of September 22, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Mama Joe Fed Com 133 H (Site) (Incident Number nAPP2517526349). The release occurred on June 23, 2025, and approximately 48 barrels (bbls) of produced were released onto the pad surface; 45 bbls were recovered. Drilling operations were completed at the Site on September 2,2025 and fracking operations began at the Site on September 3, 2025. Due to ongoing fracking operations, Matador has been unable to investigate lateral and vertical delineation or remediate potentially impacted soil in accordance with the strictest Closure Criteria per NMOCD Table I. Matador intends to submit a remediation work plan or closure report after completing excavation of the subject matter release and upon receiving final laboratory analytical results from confirmation sampling activities. Matador respectfully requests an extension until December 21, 2025.

Thanks,

Chad Hamilton
Project Geologist
940-923-0072
Ensolum, LLC

From:	Rodgers, Scott, EMNRD
To:	Chad Hamilton
Cc:	jason.touchet@matadorresources.com; Ashley Giovengo
Subject:	RE: [EXTERNAL] Extension Request - Matador Production Company - Mama Joe Fed Com 133 H - Incident Number nAPP2517526349
Date:	Monday, December 22, 2025 10:31:16 AM
Attachments:	image006.png image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to March 23, 2026 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

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

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

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, December 22, 2025 7:34 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: jason.touchet@matadorresources.com; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - Mama Joe Fed Com 133 H - Incident Number nAPP2517526349

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

Mr. Rodgers,

Matador Production Company (Matador) is requesting a second extension of the current deadline of December 22, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Mama Joe Fed Com 133 H (Site) (Incident Number nAPP2517526349). The release occurred on June 23, 2025, and approximately 48 barrels (bbls) of produced were released onto the pad surface; 45 bbls were recovered. Drilling operations were completed at the Site on September 2,2025 and fracking operations began at the Site on September 3, 2025. Beginning on November 3, 2025, through November 20, 2025, four boreholes (BH01 through BH04) were advanced within the release extent to determine the vertical extent of the impacted soil via hand auger and backhoe. Boreholes BH01 and BH03 have been advance to a depth of 2 feet below ground surface (bgs); Borehole BH02 was advanced to a depth of 4 feet bgs, and borehole BH04 has been advanced to a depth of 1-foot bgs. On December 3, 2025, Southwest Geophysical Consulting, LLC (Southwest Geophysical) was contracted to perform a karst survey at the Site. Southwest Geophysical completed the geophysical karst survey on December 11, 2025, under the supervision of Dave Decker. Matador intends to submit a remediation work plan or closure report following excavation of the subject matter release and upon receiving final laboratory analytical data from confirmation soil sampling activities. Matador respectfully requests a 90-day extension until March 23, 2026. Please let me know if you have any further questions regarding this site.

Kind Regards,

Chad Hamilton
Project Geologist
940-923-0072
Ensolum, LLC

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 478167

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 478167
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Mama Joe Fed Com 133 H
Date Release Discovered	06/23/2025
Surface Owner	Federal

Incident Details *Please answer all the questions in this group.*	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*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	Cause: Equipment Failure | Other (Specify) | Drilling Mud/Fluid | Released: 48 BBL | Recovered: 45 BBL | Lost: 3 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Victaulic Clamp on the Suction Manifold failed causing an unexpected of release of 48 bbls of oil-based drilling fluids on the ground.

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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 478167
	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	N/A
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 478167
	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: 478167
	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.	6/24/2025

Impacted Soil On-Pad
Saturated Soil (inches)
0.25
Area (sq. ft.)
4200
Standing fluids
inches of standing fluid
0
bbl estimate of standing fluids
barrels recovered (if known)
45
Soil type
pad caliche
Spill type
Drilling Mud
Barrel estimate in soil
3.1
Barrel estimate (standing fluids/ recovered+in soil)
48.1

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QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 480464
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2517526349**
Incident Name	**NAPP2517526349 MAMA JOE FED COM 133 H @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Mama Joe Fed Com 133 H
Date Release Discovered	06/23/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*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	Cause: Equipment Failure | Other (Specify) | Drilling Mud/Fluid | Released: 48 BBL | Recovered: 45 BBL | Lost: 3 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Victaulic Clamp on the Suction Manifold failed causing an unexpected of release of 48 bbls of oil-based drilling fluids on the ground.

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 480464
	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	N/A

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/01/2025

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 480464
	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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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: 480464
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	7/1/2025

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

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Phone: (505) 629-6116

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

QUESTIONS

Action 540542

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 540542
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2517526349**
Incident Name	**NAPP2517526349 MAMA JOE FED COM 133 H @ 30-015-56683**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-56683] MAMA JO 3531 FEDERAL COM #133H**

Location of Release Source	
Site Name	**MAMA JOE FED COM 133 H**
Date Release Discovered	**06/23/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	10,851
What is the estimated number of samples that will be gathered	65
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/12/2026
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar @ (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.34557,-104.06133

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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 540542
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/6/2026
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.	1/6/2026

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 540546

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 540546
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2517526349**
Incident Name	**NAPP2517526349 MAMA JOE FED COM 133 H @ 30-015-56683**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-56683] MAMA JO 3531 FEDERAL COM #133H**

Location of Release Source	
Site Name	**MAMA JOE FED COM 133 H**
Date Release Discovered	**06/23/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	10,851
What is the estimated number of samples that will be gathered	65
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/13/2026
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar @ (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.34557,-104.06133

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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: 540546
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/6/2026
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.	1/6/2026

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 540547

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 540547
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2517526349**
Incident Name	**NAPP2517526349 MAMA JOE FED COM 133 H @ 30-015-56683**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-56683] MAMA JO 3531 FEDERAL COM #133H**

Location of Release Source	
Site Name	**MAMA JOE FED COM 133 H**
Date Release Discovered	**06/23/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	10,851
What is the estimated number of samples that will be gathered	65
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/14/2026
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Aboubakar @ (202) 569-0491
Please provide any information necessary for navigation to sampling site	32.34557,-104.06133

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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: 540547
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/6/2026
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.	1/6/2026

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QUESTIONS

Action 552898

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 552898
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2517526349**
Incident Name	**NAPP2517526349 MAMA JOE FED COM 133 H @ 30-015-56683**
Incident Type	**Release Other**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-56683] MAMA JO 3531 FEDERAL COM #133H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MAMA JOE FED COM 133 H
Date Release Discovered	06/23/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*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	Cause: Equipment Failure | Other (Specify) | Drilling Mud/Fluid | Released: 48 BBL | Recovered: 45 BBL | Lost: 3 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Victaulic Clamp on the Suction Manifold failed causing an unexpected of release of 48 bbls of oil-based drilling fluids on the ground.

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QUESTIONS (continued)

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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	N/A

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: 02/11/2026

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QUESTIONS (continued)

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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 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 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)	12800
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	18230
GRO+DRO	(EPA SW-846 Method 8015M)	13800
BTEX	(EPA SW-846 Method 8021B or 8260B)	1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		01/12/2026
On what date will (or did) the final sampling or liner inspection occur		01/13/2026
On what date will (or was) the remediation complete(d)		01/13/2026
What is the estimated surface area (in square feet) that will be reclaimed		1400
What is the estimated volume (in cubic yards) that will be reclaimed		37
What is the estimated surface area (in square feet) that will be remediated		10862
What is the estimated volume (in cubic yards) that will be remediated		280
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)

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	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 LLC
(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: 02/11/2026
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)

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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)

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

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**540547**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/14/2026**
What was the (estimated) number of samples that were to be gathered	**65**
What was the sampling surface area in square feet	**10851**

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	10862
What was the total volume (cubic yards) remediated	280
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	1400
What was the total volume (in cubic yards) reclaimed	37
Summarize any additional remediation activities not included by answers (above)	The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS06, collected at ground surface, and vertically by boreholes BH01 through BH04, collected at depths ranging from ground surface to 4 feet bgs. Confirmation floor samples FS01 through FS55 and confirmation sidewall soil sample SW01, collected at depths ranging from ground surface to 1-foot bgs, were all in compliance with the Site Closure Criteria.

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: 02/11/2026

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QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 552898
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Operator:	OGRID:
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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.	4/7/2026