



March 5, 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
John Callahan TB
Incident Number nAPP2528855818
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at John Callahan TB (Site). The Site is located in Unit O, Section 21, Township 24 South, Range 35 East, in Lea County, New Mexico (32.19759°, -103.37035°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

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 produced water. Based on field observations, field screening activities, and soil sampling laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2528855818.

BACKGROUND

On October 15, 2025, the mounting bolts on SWD Pump #6 broke causing vibrations, which resulted in an unexpected release of produced water onto the pad. The release resulted in approximately 64 barrels (bbls) of produced water onto the caliche pad, 1 bbl of produced water were recovered via vacuum truck. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on October 15, 2025, and the release was subsequently assigned Incident Number nAPP2528855818.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on the initial C-141 application subsection, Site Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well CP-2100 POD1, located approximately 1,087 feet west of the Site. The well was a soil boring drilled to assess depth to groundwater near the Site. The soil boring was advanced to a depth of approximately 105 feet below ground surface (bgs) on February 5, 2026, and measured

on February 10, 2026, confirming depth to groundwater beneath the Site to be greater than 105 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determinations are presented on Figure 1. The referenced well record and log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 3,909 feet northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO) 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On October 20 through November 3, 2025, Ensolum personnel were onsite to conduct lateral and vertical delineation sampling activities. Fifteen preliminary delineation soil samples (SS01 through SS15) were collected from around the release extent at ground surface to assess the lateral extent of release. Ten boreholes (BH01 through BH10) were advanced via hand auger within the release extent to assess the vertical extent of the release. Boreholes BH01 through BH10 were all advanced to a depth of 2 feet bgs. Discrete delineation soil samples were collected from each preliminary and borehole soil sample location and field screened for chloride utilizing Hach[®] chloride QuanTab[®] test strips and for volatile organic compounds (VOCs) using a calibrated PetroFLAG[®] Soil Analyzer System, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs and can be referenced in Appendix B. The delineation soil sample locations are depicted on Figure 2. Photographic documentation was completed during the Site visit, and a photographic log is included as Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-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

On December 15 through December 22, 2025, impacted and waste-containing soil was excavated from the spill area as indicated by visible staining, field screening activities, and laboratory analytical results from delineation soil samples. Excavation activities were performed using a hydro-vac, hand-digging, backhoe and belly-dump trucks. To direct excavation activities, Ensolum personnel screened soil utilizing the same methods described above.

Following the removal of impacted and waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the floor of the excavation. 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 FS49 were collected from the floor of the excavation at depths ranging from ground surface to 0.5 feet bgs and sidewalls samples were included in the composite floor samples based on the shallow depth of the excavation. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 9,753 square feet. A total of approximately 162 cubic yards of impacted and waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at the Northern Delaware Basin Disposal Facility in Jal New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS15, collected around the release extent, were in compliance with the strictest Closure Criteria at ground surface and 1-foot bgs. Laboratory analytical results from boreholes BH01 and BH03 were in compliance with the Site Closure Criteria at 0.5 feet bgs and with the strictest Closure Criteria at 1-foot bgs. Boreholes BH02, BH06, and BH08 were in compliance with Site Closure Criteria at ground surface and were in compliance with strictest Closure Criteria at 0.5 feet bgs. Boreholes BH04, BH05, BH07, BH09, and BH10 exceeded the Site Closure Criteria for chloride at ground surface but were in compliance with strictest Closure Criteria at 0.5 feet bgs. Borehole BH03 exceeded the Site Closure Criteria for chloride at ground surface but was in compliance with strictest Closure Criteria at 1-foot bgs.

Laboratory analytical results for excavation floor soil samples FS01 through FS49 indicated all COC concentrations were in compliance with the Site Closure Criteria at depths ranging from ground surface to 0.5 feet bgs. Laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined to the strictest Closure Criteria per NMOCD Table I by preliminary delineation soil samples SS01 through SS15, collected at ground surface and 1-foot bgs, and vertically by boreholes BH01 through BH10, collected at depths ranging from ground surface and 2 feet bgs. Excavation of impacted soil was completed, and excavation floor samples FS01 through FS49, collected at depths ranging from ground surface to 0.5 feet bgs, were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date and a depth to groundwater greater than 105 feet bgs, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2528855818.

John Callahan TB



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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "CHAD HAMILTON".

Chad Hamilton
Project Geologist

A handwritten signature in black ink, appearing to read "DANIEL R. MOIR".

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

Appendices:

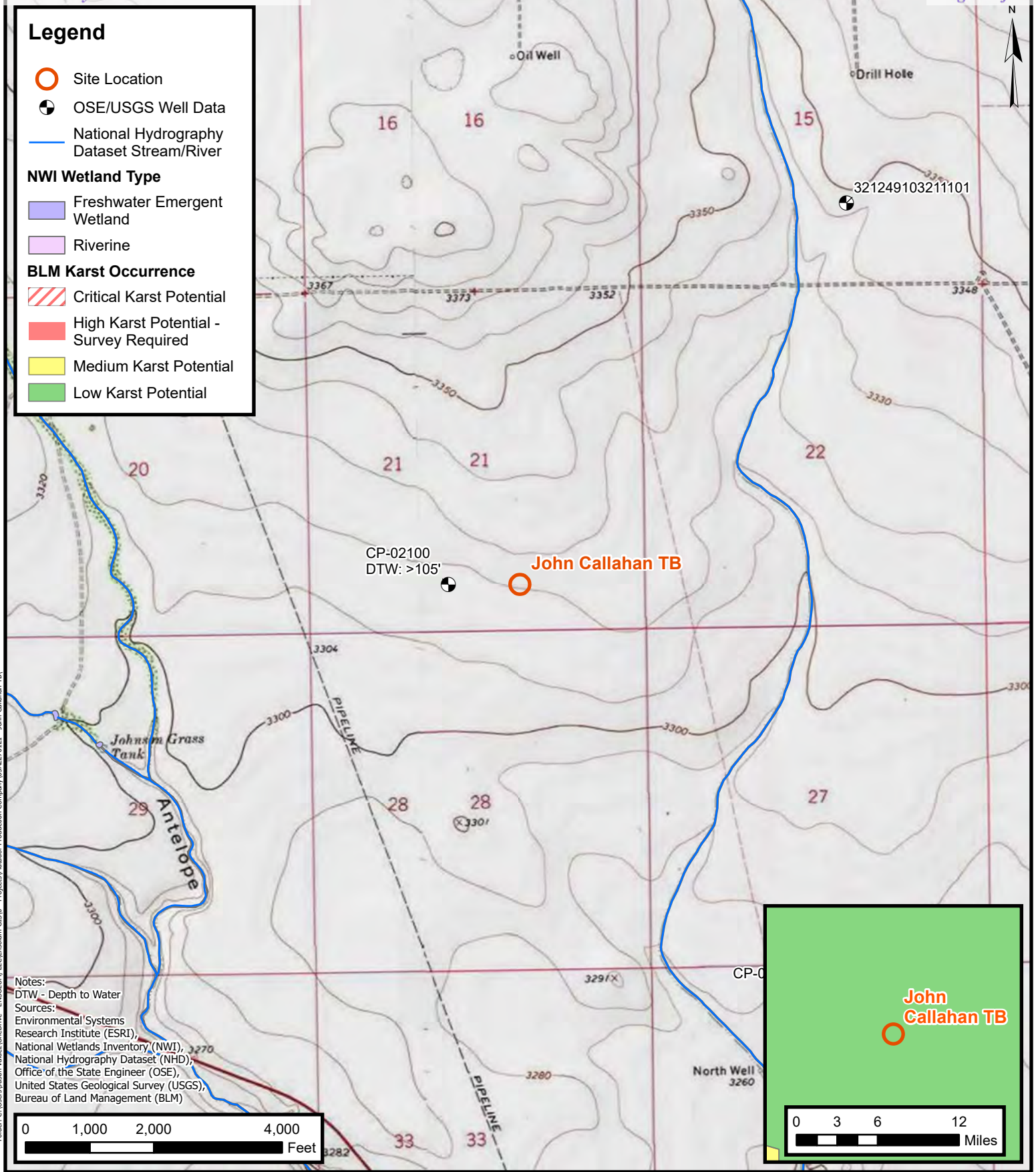
- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Excavation Soil Sample Locations

- Table 1 Soil Sample Analytical Results (Delineation Soil Samples)
- Table 2 Soil Sample Analytical Results (Excavation Floor Soil Samples)

- Appendix A Well Record and Log
- Appendix B Lithologic Soil Sampling Logs
- Appendix C Photographic Log
- Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix E NMOCD Correspondence



FIGURES



Folder: C:\Users\Justin.Velazquez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Matador Production Company\03A2270121 - John Callahan TB

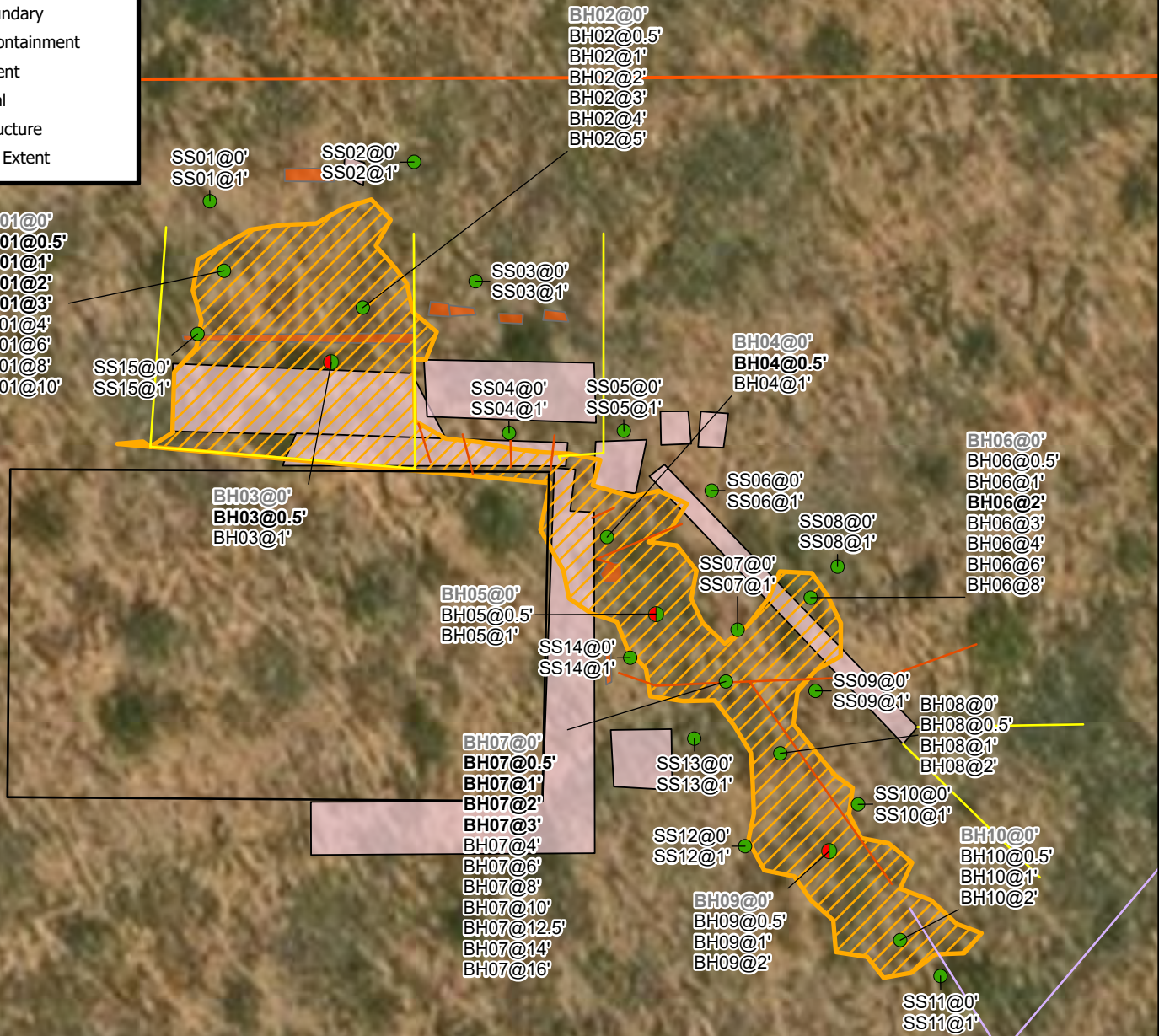


Site Receptor Map
 Matador Production Company
 John Callahan TB
 Incident Number: nAPP2528855818
 Unit O, Section 21, T 24S, R 35E
 Lea County, New Mexico

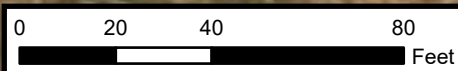
FIGURE
 1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- Electric Line
- Pad Boundary
- Lined Containment
- Equipment
- Electrical
- Infrastructure
- Release Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Concentrations in **bold** exceed the NMOCD Table I
 Closure Criteria reclamation standard where applicable.
 Red text represents samples that exceed Closure Criteria.



Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

Matador Production Company
 John Callahan TB
 Incident Number: nAPP2528855818
 Unit O, Section 21, T 24S, R 35E
 Lea County, New Mexico

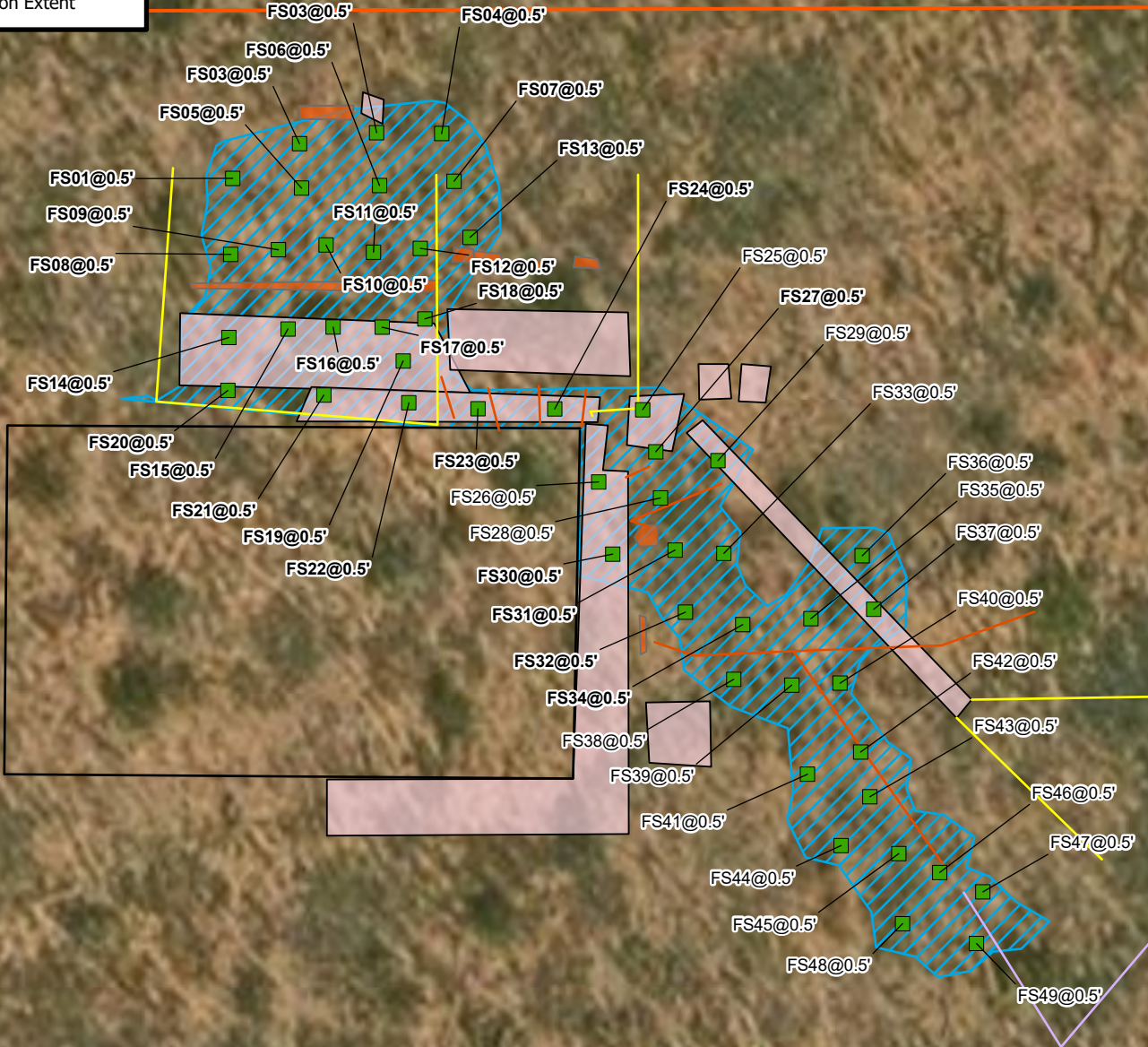
FIGURE

2

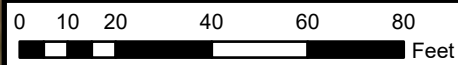


Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- Electric Utility Line
- Pad Boundary
- Lined Containment
- Equipment
- Electrical
- Infrastructure
- Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Concentrations in bold exceed the NMOCD
 reclamation standard where applicable.



Sources: Environmental Systems Research Institute (ESRI)

Excavation Soil Sample Locations

Matador Production Company
 John Callahan TB
 Incident Number: nAPP2528855818
 Unit O, Section 21, T 24S, R 35E
 Lea County, New Mexico

FIGURE

3





TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 John Callahan TB
 Matodor Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	10/20/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	237
SS01	10/20/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.3
SS02	11/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	94.9
SS02	11/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.2
SS03	11/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.8
SS03	11/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	116
SS04	11/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.3
SS04	11/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.8
SS05	11/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.4
SS05	11/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	11/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.9
SS06	11/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	10/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.8
SS07	10/27/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	10/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	396
SS08	10/27/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS09	10/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	171
SS09	10/27/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS10	10/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.7
SS10	10/27/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	10/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	178
SS11	10/27/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS12	11/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.1
SS12	11/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS13	11/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.0
SS13	11/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.7
SS14	10/27/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	333
SS14	10/27/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS15	11/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.2
SS15	11/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.8

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 John Callahan TB
 Matodor Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH01	10/30/2025	0	<0.0250	<0.0500	<20.0	42.0	<50.0	42.0	<50.0	59.9
BH01	10/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,140
BH01	10/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	10/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	10/30/2025	0	<0.0250	<0.0500	<20.0	206	106	206	312	2,920
BH02	10/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.1
BH02	10/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	10/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH03	10/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26,500
BH03	10/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,140
BH03	10/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	498
BH03	10/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.7
BH04	10/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	13,400
BH04	10/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	123
BH04	10/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	10/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.2
BH05	10/30/2025	0	<0.0250	<0.0500	<20.0	167	93.8	167	261	23,700
BH05	10/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.0
BH05	10/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.7
BH05	10/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.3
BH06	10/30/2025	0	<0.0250	<0.0500	<20.0	44.0	<50.0	44.0	<50.0	9,170
BH06	10/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH06	10/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH06	10/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH07	10/30/2025	0	<0.0250	<0.0500	<20.0	48.6	<50.0	48.6	<50.0	15,800
BH07	10/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	545
BH07	10/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.2
BH07	10/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 John Callahan TB
 Matodor Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH08	10/30/2025	0	<0.0250	<0.0500	<20.0	33.4	<50.0	33.4	<50.0	6,770
BH08	10/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH08	10/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH08	10/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH09	10/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22,100
BH09	10/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH09	10/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH09	10/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10	10/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,700
BH10	10/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.0
BH10	10/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10	10/30/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

Concentrations in **bold** exceed the NMOCD reclamation standard where applicable.

Concentrations in **red** exceed the NMOCD Table I Closure Criteria where applicable.

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 John Callahan TB
 Matodor Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS01	12/19/2025	0.5	<0.0250	<0.0500	<20.0	25.5	<50.0	25.5	<50.0	4,470
FS02	12/19/2025	0.5	<0.0250	<0.0500	<20.0	31.0	<50.0	31.0	<50.0	5,920
FS03	12/22/2025	0	<0.0250	<0.0500	<20.0	25.9	<50.0	25.9	<50.0	912
FS04	12/19/2025	0.5	<0.0250	<0.0500	<20.0	128	55.7	128	184	7,590
FS05	12/19/2025	0.5	<0.0250	<0.0500	<20.0	81.5	<50.0	81.5	81.5	6,970
FS06	12/19/2025	0.5	<0.0250	<0.0500	<20.0	135	58.3	135	193	7,550
FS07	12/19/2025	0.5	<0.0250	<0.0500	<20.0	158	79.8	158	238	7,790
FS08	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,750
FS09	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,910
FS10	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,010
FS11	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,110
FS12	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	57.4	57.4	2,590
FS13	12/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,690
FS14	12/22/2025	0.5	<0.0250	<0.0500	<20.0	30.5	<50.0	30.5	<50.0	642
FS15	12/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	761
FS16	12/22/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,190
FS17	12/22/2025	0.5	<0.0250	<0.0500	<20.0	28.1	<50.0	28.1	<50.0	614
FS18	12/22/2025	0.5	<0.0250	<0.0500	<20.0	27.1	<50.0	27.1	<50.0	659
FS19	12/22/2025	0.5	<0.0250	<0.0500	<20.0	25.6	<50.0	25.6	<50.0	636
FS20	12/22/2025	0.5	<0.0250	<0.0500	<20.0	38.3	<50.0	38.3	<50.0	678
FS21	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,180
FS22	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,960
FS23	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,050
FS24	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,110
FS25	12/17/2025	0.5	<0.0250	0.146	<20.0	<25.0	<50.0	<25.0	<50.0	168
FS26	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	279
FS27	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,920
FS28	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	92.5
FS29	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	96.7
FS30	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,430

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 John Callahan TB
 Matodor Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS31	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,690
FS32	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,890
FS33	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
FS34	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,780
FS35	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	89.9
FS36	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.4
FS37	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.6
FS38	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS39	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS40	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS41	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.0
FS42	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.6
FS43	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	86.8
FS44	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.9
FS45	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	85.8
FS46	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	255
FS47	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	337
FS48	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.8
FS49	12/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

Concentrations in **bold** exceed the NMOCD reclamation standard where applicable.

Concentrations in **red** exceed the NMOCD Table I Closure Criteria where applicable.

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well 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.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). CP-02100		
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 5400 Lyndon B Johnson FWY Suite 1500				CITY Dallas	STATE TX	ZIP 75240
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 11	SECONDS 51.3	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE	103	22	26.2		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S21 T24s R35e							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 2-5-26	DRILLING ENDED 2-5-26	DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 2-10-26		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY:			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		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)
	FROM	TO						
	0'	105'	6'	No casing left in hole				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.	POD NO.	TRN NO.			
LOCATION		WELL TAG ID NO.			PAGE 1 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19:27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-02100 Pod 1

Well owner: Matador Production Company Phone No.: (337) 652-3463

Mailing address: 5400 Lyndon B Johnson FWY Suite 1500

City: Dallas State: TX Zip code: 75240


II. WELL PLUGGING INFORMATION:


- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/27
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Nathan Smelcer
- 4) Date well plugging began: 2-10-26 Date well plugging concluded: 2-10-26
- 5) GPS Well Location: Latitude: 32 deg, 11 min, 51.3 sec
Longitude: 103 deg, 22 min, 26.2 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 11/21/25
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):





APPENDIX B


Lithologic Soil Sampling Logs


					Sample Name: BH01		Date: 10/30/2025	
					Site Name: John Callahan TB			
					Incident Number: nAPP2528555818			
					Job Number: 03A2270121			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: JM		Method: Hand Auger	
Coordinates: 32.197681, -103.370408					Hole Diameter: 3"		Total Depth: 2'	
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. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH01	0	0	CCHE	0 - 0.5' - Pad Caliche
D			Y	BH01	0.5			
D	<168		N	BH01	1	1	SW - SM	0.5' - 1.5' - Sand - Well Graded, Red, Non-Plastic, Noncohesive, Massive, Sharp
D	<168	12	N	BH01	2	2	CCHE	1.5 - 2' - Caliche - White, Non-Plastic, Noncohesive
Total Depth@ 2 feet bgs.								


					Sample Name: BH02		Date: 10/30/2025	
					Site Name: John Callahan TB			
					Incident Number: nAPP2528555818			
					Job Number: 03A2270121			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: JM		Method: Hand Auger	
Coordinates: 32.197654, -103.370297					Hole Diameter: 3"		Total Depth: 2'	
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. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH02	0	0	CCHE	0 - 0.5' - Pad Caliche
D			Y	BH02	0.5			
D	<168		N	BH02	1	1	SW - SM	0.5' - 2' - Sand - Well Graded, Red, Non-Plastic, Noncohesive, Massive
D	<168	14	N	BH02	2	2		
Total Depth@ 2 feet bgs.								


						Sample Name: BH03		Date: 10/30/2025	
						Site Name: John Callahan TB			
						Incident Number: nAPP2528555818			
						Job Number: 03A2270121			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: JM		Method: Hand Auger	
Coordinates: 32.197617, -103.370323						Hole Diameter: 3"		Total Depth: 2'	
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. A 40% correction factor is included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
D			Y	BH03	0	0	CCHE	0 - 0.5' - Pad Caliche	
D			Y	BH03	0.5				
D	644		N	BH03	1	1	SW - SM	0.5' - 2' - Sand - Well Graded, Red, Non-Plastic, Noncohesive, Massive	
D	<168	0	N	BH03	2	2			
Total Depth@ 2 feet bgs.									


					Sample Name: BH04		Date: 10/30/2025			
					Site Name: John Callahan TB					
					Incident Number: nAPP2528555818					
					Job Number: 03A2270121					
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: JM		Method: Hand Auger			
Coordinates: 32.197496, -103.370105					Hole Diameter: 3"		Total Depth: 2'			
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. A 40% correction factor is included.										
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D			Y	BH04	0	0	CCHE	0 - 0.5' - Pad Caliche		
D			Y	BH04	0.5					
D			N	BH04	1	1	SW - SM	0.5' - 2' - Sand - Well Graded, Red, Non-Plastic, Noncohesive, Massive		
D	<168	9	N	BH04	2	2				
Total Depth@ 2 feet bgs.										


					Sample Name: BH05		Date: 10/30/2025	
					Site Name: John Callahan TB			
					Incident Number: nAPP2528555818			
					Job Number: 03A2270121			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: JM		Method: Hand Auger	
Coordinates: 32.197443, -103.370066					Hole Diameter: 3"		Total Depth: 2'	
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. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH05	0	0	CCHE	0 - 0.5' - Pad Caliche
D			Y	BH05	0.5			
D			N	BH05	1	1	SW - SM	0.5' - 2' - Sand - Well Graded, Red, Non-Plastic, Noncohesive, Massive
D	<168	1	N	BH05	2	2		
Total Depth@ 2 feet bgs.								

						Sample Name: BH06		Date: 10/30/2025	
						Site Name: John Callahan TB			
						Incident Number: nAPP2528555818			
						Job Number: 03A2270121			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: JM		Method: Hand Auger	
Coordinates: 32.197453, -103.369943						Hole Diameter: 3"		Total Depth: 2'	
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. A 40% correction factor is included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
D			Y	BH06	0	0	CCHE	0 - 0.5' - Pad Caliche	
D			Y	BH06	0.5				
D			N	BH06	1	1	SW - SM	0.5' - 2' - Sand - Well Graded, Red, Non-Plastic, Noncohesive, Massive	
D	<168	10	N	BH06	2	2			
Total Depth@ 2 feet bgs.									

					Sample Name: BH07		Date: 10/30/2025	
					Site Name: John Callahan TB			
					Incident Number: nAPP2528555818			
					Job Number: 03A2270121			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: JM		Method: Hand Auger	
Coordinates: 32.197397, -103.370012					Hole Diameter: 3"		Total Depth: 2'	
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. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH07	0	0	CCHE	0 - 0.5' - Pad Caliche
D			Y	BH07	0.5			
D			N	BH07	1	1	SW - SM	0.5' - 2' - Sand - Well Graded, Red, Non-Plastic, Noncohesive, Massive
D	<168	9	N	BH07	2	2		
Total Depth@ 2 feet bgs.								

					Sample Name: BH08		Date: 10/30/2025	
					Site Name: John Callahan TB			
					Incident Number: nAPP2528555818			
					Job Number: 03A2270121			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: JM		Method: Hand Auger	
Coordinates: 32.197347, -103.369969					Hole Diameter: 3"		Total Depth: 2'	
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. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH08	0	0	CCHE	0 - 0.5' - Pad Caliche
D			Y	BH08	0.5			
D			N	BH08	1	1	SW - SM	0.5' - 2' - Sand - Well Graded, Red, Non-Plastic, Noncohesive, Massive
D	<168	4	N	BH08	2	2		
Total Depth@ 2 feet bgs.								

						Sample Name: BH09		Date: 10/30/2025	
						Site Name: John Callahan TB			
						Incident Number: nAPP2528555818			
						Job Number: 03A2270121			
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: JM		Method: Hand Auger	
Coordinates: 32.19728, -103.369931						Hole Diameter: 3"		Total Depth: 2'	
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. A 40% correction factor is included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
D			Y	BH09	0	0	CCHE	0 - 0.5' - Pad Caliche	
D			Y	BH09	0.5				
D			N	BH09	1	1	SW - SM	0.5' - 2' - Sand - Well Graded, Red, Non-Plastic, Noncohesive, Massive	
D	<168	5	N	BH09	2	2			
Total Depth@ 2 feet bgs.									

					Sample Name: BH10		Date: 10/30/2025	
					Site Name: John Callahan TB			
					Incident Number: nAPP2528555818			
					Job Number: 03A2270121			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: JM		Method: Hand Auger	
Coordinates: 32.197219, -103.369875					Hole Diameter: 3"		Total Depth: 2'	
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. A 40% correction factor is included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH10	0	0	CCHE	0 - 0.5' - Pad Caliche
D			Y	BH10	0.5			
D			N	BH10	1	1	SW - SM	0.5' - 2' - Sand - Well Graded, Red, Non-Plastic, Noncohesive, Massive
D	<168	15	N	BH10	2	2		
Total Depth@ 2 feet bgs.								



APPENDIX C

Photographic Log

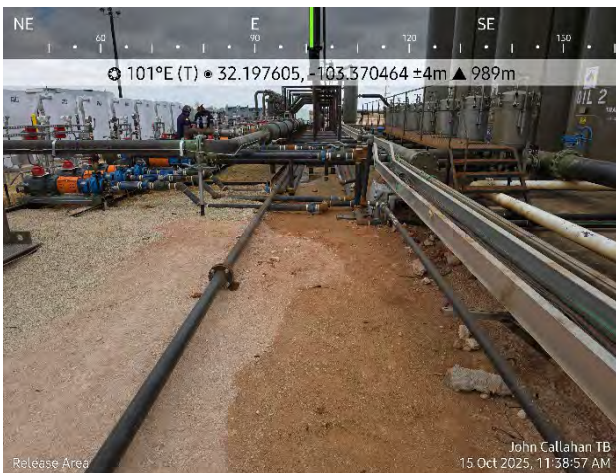


Photographic Log
Matador Production Company
John Callahan TB
nAPP2528555818



Photograph 1 Date: 11/03/2025
Description: Lease Signage
View: Southeast

Photograph 2 Date: 10/15/2025
Description: Release Area
View: Southeast



Photograph 3 Date: 10/15/2025
Description: Release Area
View: East

Photograph 4 Date: 10/15/2025
Description: Release Area
View: Northwest

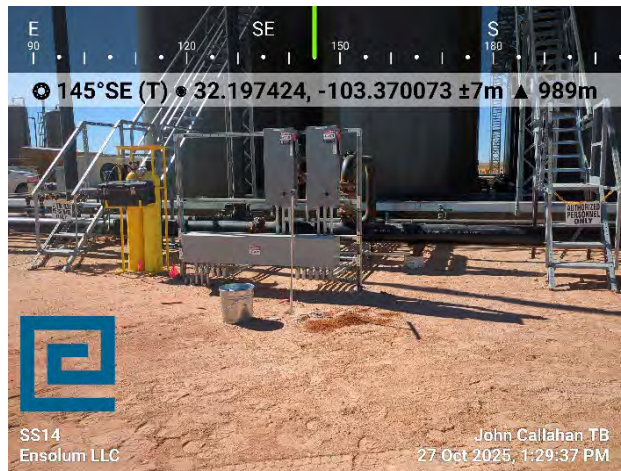


Photographic Log
Matador Production Company
John Callahan TB
nAPP2528555818



Photograph 5 Date: 10/15/2025
Description: Release Area
View: Southeast

Photograph 6 Date: 10/15/2025
Description: Release Area
View: West



Photograph 7 Date: 10/20/2025
Description: Delineation (SS01)
View: Southeast

Photograph 8 Date: 10/27/2025
Description: Delineation (SS14)
View: Southeast



Photographic Log
Matador Production Company
John Callahan TB
nAPP2528555818



Photograph 9 Date: 10/27/2025
Description: Delineation (SS11)
View: Northwest

Photograph 10 Date: 10/28/2025
Description: Infrastructure
View: South



Photograph 11 Date: 10/28/2025
Description: Infrastructure
View: West

Photograph 12 Date: 10/28/2025
Description: Infrastructure
View: South



Photographic Log
Matador Production Company
John Callahan TB
nAPP2528555818



Photograph 13 Date: 10/30/2025
Description: Delineation (BH02)
View: South

Photograph 14 Date: 10/30/2025
Description: Delineation (BH08)
View: Northwest



Photograph 15 Date: 11/03/2025
Description: Delineation (SS03)
View: Southwest

Photograph 16 Date: 11/03/2025
Description: Delineation (SS04)
View: South

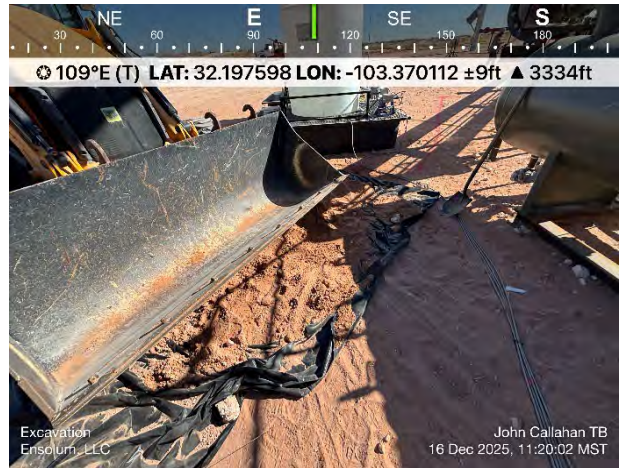
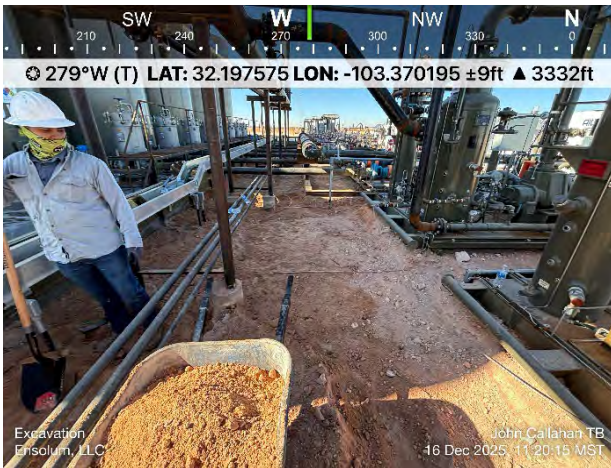


Photographic Log
Matador Production Company
John Callahan TB
nAPP2528555818



Photograph 17 Date: 12/15/2025
Description: Excavation with Hydrovac
View: Southeast

Photograph 18 Date: 12/16/2025
Description: Excavation
View: Northwest

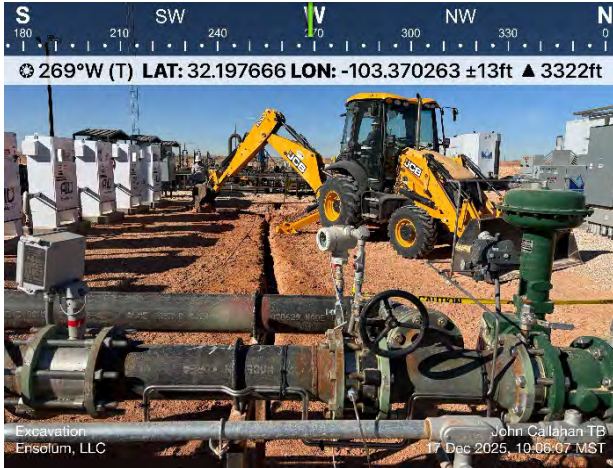


Photograph 19 Date: 12/16/2025
Description: Hand Digging
View: West

Photograph 20 Date: 12/16/2025
Description: Excavation
View: East



Photographic Log
Matador Production Company
John Callahan TB
nAPP2528555818



Photograph 21 Date: 12/17/2025
Description: Excavation
View: West

Photograph 22 Date: 12/17/2025
Description: Excavation
View: West



Photograph 23 Date: 12/17/2025
Description: Spoil Pile
View: West

Photograph 24 Date: 12/17/2025
Description: Excavation
View: Southwest



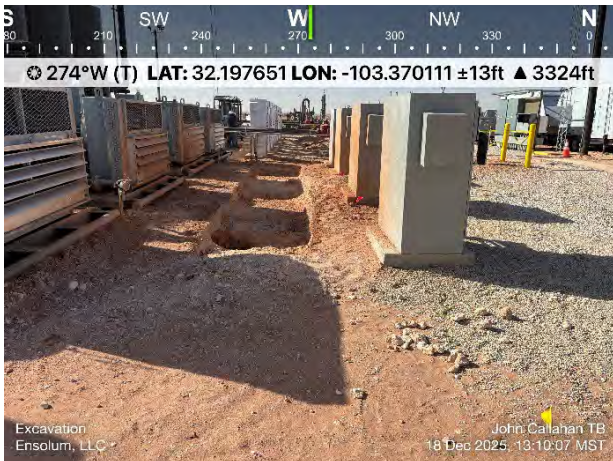
Photographic Log
Matador Production Company
John Callahan TB
nAPP2528555818



Photograph 25 Date: 12/18/2025
Description: Excavation
View: South



Photograph 26 Date: 12/18/2025
Description: Excavation
View: Northwest



Photograph 27 Date: 12/18/2025
Description: Excavation
View: West



Photograph 28 Date: 12/19/2025
Description: Excavation
View: Northeast



Photographic Log
Matador Production Company
John Callahan TB
nAPP2528555818



Photograph 29 Date: 12/19/2025
Description: Excavation
View: Northwest

Photograph 30 Date: 12/19/2025
Description: Excavation
View: North



Photograph 31 Date: 12/22/2025
Description: Excavation
View: West

Photograph 32 Date: 12/22/2025
Description: Excavation
View: Northeast



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callaham TB

Work Order: E510252

Job Number: 23003-0002

Received: 10/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/28/25



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

Project Name: John Callaham TB
Workorder: E510252
Date Received: 10/22/2025 6:30:00AM

Ashley Giovengo,

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

The analytical test results summarized in this report with the Project Name: John Callaham TB 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 regarding 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callaham TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/28/25 08:11
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E510252-01A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.
SS01-1'	E510252-02A	Soil	10/20/25	10/22/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callaham TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/28/2025 8:11:56AM
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SS01-0'

E510252-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2543059
Benzene	ND	0.0250	1	10/22/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/22/25	
Toluene	ND	0.0250	1	10/22/25	10/22/25	
o-Xylene	ND	0.0250	1	10/22/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	10/22/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2543059
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	10/22/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2543056
Diesel Range Organics (C10-C28)	25.5	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
<i>Surrogate: n-Nonane</i>		97.0 %	61-141	10/22/25	10/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2543063
Chloride	237	20.0	1	10/22/25	10/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callaham TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/28/2025 8:11:56AM
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SS01-1'

E510252-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2543059
Benzene	ND	0.0250	1	10/22/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/22/25	10/22/25	
Toluene	ND	0.0250	1	10/22/25	10/22/25	
o-Xylene	ND	0.0250	1	10/22/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/22/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/22/25	10/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/22/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2543059
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/22/25	10/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	10/22/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2543056
Diesel Range Organics (C10-C28)	ND	25.0	1	10/22/25	10/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/22/25	10/23/25	
<i>Surrogate: n-Nonane</i>		96.6 %	61-141	10/22/25	10/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2543063
Chloride	54.3	20.0	1	10/22/25	10/23/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callaham TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/28/2025 8:11:56AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543059-BLK1)

Prepared: 10/22/25 Analyzed: 10/22/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			

LCS (2543059-BS1)

Prepared: 10/22/25 Analyzed: 10/22/25

Benzene	4.19	0.0250	5.00		83.8	70-130			
Ethylbenzene	4.01	0.0250	5.00		80.2	70-130			
Toluene	4.12	0.0250	5.00		82.4	70-130			
o-Xylene	4.06	0.0250	5.00		81.2	70-130			
p,m-Xylene	8.23	0.0500	10.0		82.3	70-130			
Total Xylenes	12.3	0.0250	15.0		82.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			

Matrix Spike (2543059-MS1)

Source: E510252-01

Prepared: 10/22/25 Analyzed: 10/22/25

Benzene	4.13	0.0250	5.00	ND	82.5	70-130			
Ethylbenzene	3.93	0.0250	5.00	ND	78.6	70-130			
Toluene	4.06	0.0250	5.00	ND	81.1	70-130			
o-Xylene	4.02	0.0250	5.00	ND	80.4	70-130			
p,m-Xylene	8.07	0.0500	10.0	ND	80.7	70-130			
Total Xylenes	12.1	0.0250	15.0	ND	80.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			

Matrix Spike Dup (2543059-MSD1)

Source: E510252-01

Prepared: 10/22/25 Analyzed: 10/22/25

Benzene	4.85	0.0250	5.00	ND	96.9	70-130	16.1	27	
Ethylbenzene	4.65	0.0250	5.00	ND	93.0	70-130	16.8	26	
Toluene	4.78	0.0250	5.00	ND	95.6	70-130	16.4	20	
o-Xylene	4.68	0.0250	5.00	ND	93.6	70-130	15.1	25	
p,m-Xylene	9.50	0.0500	10.0	ND	95.0	70-130	16.3	23	
Total Xylenes	14.2	0.0250	15.0	ND	94.5	70-130	15.9	26	
Surrogate: 4-Bromochlorobenzene-PID	8.40		8.00		105	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callaham TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/28/2025 8:11:56AM
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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 (2543059-BLK1)

Prepared: 10/22/25 Analyzed: 10/22/25

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.42		8.00		105	70-130		

LCS (2543059-BS2)

Prepared: 10/22/25 Analyzed: 10/22/25

Gasoline Range Organics (C6-C10)	40.9	20.0	50.0		81.9	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130		

Matrix Spike (2543059-MS2)

Source: E510252-01

Prepared: 10/22/25 Analyzed: 10/22/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.5	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.63		8.00		108	70-130		

Matrix Spike Dup (2543059-MSD2)

Source: E510252-01

Prepared: 10/22/25 Analyzed: 10/22/25

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130	11.7	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.55		8.00		107	70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callaham TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/28/2025 8:11:56AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543056-BLK1)

Prepared: 10/22/25 Analyzed: 10/22/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	50.1		50.0		100	61-141			

LCS (2543056-BS1)

Prepared: 10/22/25 Analyzed: 10/22/25

Diesel Range Organics (C10-C28)	252	25.0	250		101	66-144			
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.2	61-141			

Matrix Spike (2543056-MS1)

Source: E510249-02

Prepared: 10/22/25 Analyzed: 10/22/25

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.4	56-156			
Surrogate: <i>n</i> -Nonane	49.6		50.0		99.2	61-141			

Matrix Spike Dup (2543056-MSD1)

Source: E510249-02

Prepared: 10/22/25 Analyzed: 10/22/25

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156	3.76	20	
Surrogate: <i>n</i> -Nonane	48.8		50.0		97.5	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callaham TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/28/2025 8:11:56AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543063-BLK1)

Prepared: 10/22/25 Analyzed: 10/22/25

Chloride ND 20.0

LCS (2543063-BS1)

Prepared: 10/22/25 Analyzed: 10/22/25

Chloride 255 20.0 250 102 90-110

Matrix Spike (2543063-MS1)

Source: E510254-03

Prepared: 10/22/25 Analyzed: 10/22/25

Chloride 765 20.0 250 558 82.7 80-120

Matrix Spike Dup (2543063-MSD1)

Source: E510254-03

Prepared: 10/22/25 Analyzed: 10/22/25

Chloride 797 20.0 250 558 95.8 80-120 4.19 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callaham TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/28/25 08:11
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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.



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 Name: John Callahan TB				Address: 3122 National Parks Hwy			E510252	23003-0002						X	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information										Analysis and Method							EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
1340	10/20/2025	S	1	SS01 - 0'		1								X						
1420	10/20/2025	S	1	SS01 - 1'		2								X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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: Jarad McCauley																				
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														
<i>[Signature]</i>	10-21-25	1130	<i>Marissa Gonzales</i>	10-21-25	1130															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
<i>Marissa Gonzales</i>	10-21-25	1415	<i>[Signature]</i>	10-21-25	1415															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
<i>[Signature]</i>	10-21-25	1920	<i>Andrew Musso</i>	10-21-25	1920															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
<i>Andrew Musso</i>	10-21-25	2330	<i>[Signature]</i>	10-22-25	0630															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 10/22/2025 10:23:17AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Matador Resources, LLC.	Date Received: 10/22/25 06:30	Work Order ID: E510252
Phone: (972) 371-5200	Date Logged In: 10/21/25 15:55	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 10/28/25 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan TB

Work Order: E510342

Job Number: 23003-0002

Received: 10/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/3/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 11/3/25

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

Project Name: John Callahan TB
Workorder: E510342
Date Received: 10/29/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/29/2025 7:45:00AM, under the Project Name: John Callahan TB.

The analytical test results summarized in this report with the Project Name: John Callahan TB 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 regarding 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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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/03/25 16:49
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS14-0'	E510342-01A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.
SS14-1'	E510342-02A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/3/2025 4:49:28PM
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SS14-0'

E510342-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2544086
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.9 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2544086
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2544113
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>						
		91.5 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2544131
Chloride	333	20.0	1	10/30/25	10/30/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/3/2025 4:49:28PM
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SS14-1'

E510342-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2544086
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.1 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2544086
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.9 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2544113
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>						
		94.1 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2544131
Chloride	ND	20.0	1	10/30/25	10/30/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/3/2025 4:49:28PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544086-BLK1)

Prepared: 10/29/25 Analyzed: 10/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			

LCS (2544086-BS1)

Prepared: 10/29/25 Analyzed: 10/29/25

Benzene	4.73	0.0250	5.00		94.6	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.1	70-130			
Toluene	4.66	0.0250	5.00		93.3	70-130			
o-Xylene	4.61	0.0250	5.00		92.3	70-130			
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130			
Total Xylenes	13.8	0.0250	15.0		92.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike (2544086-MS1)

Source: E510339-05

Prepared: 10/29/25 Analyzed: 10/29/25

Benzene	4.93	0.0250	5.00	ND	98.7	70-130			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	70-130			
Toluene	4.87	0.0250	5.00	ND	97.5	70-130			
o-Xylene	4.83	0.0250	5.00	ND	96.7	70-130			
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	70-130			
Total Xylenes	14.4	0.0250	15.0	ND	96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike Dup (2544086-MSD1)

Source: E510339-05

Prepared: 10/29/25 Analyzed: 10/29/25

Benzene	4.70	0.0250	5.00	ND	94.0	70-130	4.84	27	
Ethylbenzene	4.50	0.0250	5.00	ND	89.9	70-130	4.82	26	
Toluene	4.63	0.0250	5.00	ND	92.7	70-130	5.05	20	
o-Xylene	4.59	0.0250	5.00	ND	91.9	70-130	5.10	25	
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	70-130	4.57	23	
Total Xylenes	13.8	0.0250	15.0	ND	91.9	70-130	4.75	26	
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/3/2025 4:49:28PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544086-BLK1)

Prepared: 10/29/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	70-130			

LCS (2544086-BS2)

Prepared: 10/29/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130			

Matrix Spike (2544086-MS2)

Source: E510339-05

Prepared: 10/29/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.7	70-130			

Matrix Spike Dup (2544086-MSD2)

Source: E510339-05

Prepared: 10/29/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130	7.99	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.2	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/3/2025 4:49:28PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544113-BLK1)

Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.0		50.0		94.1	61-141			

LCS (2544113-BS1)

Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: <i>n</i> -Nonane	45.2		50.0		90.5	61-141			

Matrix Spike (2544113-MS1)

Source: E510339-04

Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	56-156			
Surrogate: <i>n</i> -Nonane	48.2		50.0		96.4	61-141			

Matrix Spike Dup (2544113-MSD1)

Source: E510339-04

Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156	1.13	20	
Surrogate: <i>n</i> -Nonane	47.9		50.0		95.9	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/3/2025 4:49:28PM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544131-BLK1)

Prepared: 10/30/25 Analyzed: 10/30/25

Chloride ND 20.0

LCS (2544131-BS1)

Prepared: 10/30/25 Analyzed: 10/30/25

Chloride 260 20.0 250 104 90-110

Matrix Spike (2544131-MS1)

Source: E510336-03

Prepared: 10/30/25 Analyzed: 10/30/25

Chloride 277 20.0 250 ND 111 80-120

Matrix Spike Dup (2544131-MSD1)

Source: E510336-03

Prepared: 10/30/25 Analyzed: 10/30/25

Chloride 277 20.0 250 ND 111 80-120 0.181 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/03/25 16:49
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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.



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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E510342		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
1115	10/27/2025	S	1	SS14 - 0'		1								X						
1329	10/27/2025	S	1	SS14 - 1'		2								X						

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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: Jarad McCauley						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: <input checked="" type="radio"/> Y <input type="radio"/> N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Jarad McCauley</i>	10-28-25	0711	<i>Michelle Gonzales</i>	10-28-25	0711						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	10-28-25	1445	<i>Marissa Gonzales</i>	10-28-25	1445						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Marissa Gonzales</i>	10-28-25	1920	<i>Andrew Musso</i>	10-28-25	1920						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Andrew Musso</i>	10-28-25	2315	<i>Carth Mon</i>	10-29-25	1445						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 10/29/2025 9:17:51AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Matador Resources, LLC.	Date Received: 10/29/25 07:45	Work Order ID: E510342
Phone: (972) 371-5200	Date Logged In: 10/28/25 15:25	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 11/04/25 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan TB

Work Order: E510345

Job Number: 23003-0002

Received: 10/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/4/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 11/4/25

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



Project Name: John Callahan TB
Workorder: E510345
Date Received: 10/29/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/29/2025 7:45:00AM, under the Project Name: John Callahan TB.

The analytical test results summarized in this report with the Project Name: John Callahan TB 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/04/25 15:48
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07-0'	E510345-01A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.
SS07-1'	E510345-02A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.
SS08-0'	E510345-03A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.
SS08-1'	E510345-04A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.
SS09-0'	E510345-05A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.
SS09-1'	E510345-06A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.
SS10-0'	E510345-07A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.
SS10-1'	E510345-08A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.
SS11-0'	E510345-09A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.
SS11-1'	E510345-10A	Soil	10/27/25	10/29/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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SS07-0'

E510345-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.3 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.3 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544127
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>		87.6 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544142
Chloride	87.8	20.0	1	11/03/25	11/04/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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SS07-1'

E510345-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544127
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>		90.1 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544142
Chloride	ND	20.0	1	11/03/25	11/04/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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SS08-0'

E510345-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544127
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>		91.9 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544142
Chloride	396	20.0	1	11/03/25	11/04/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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SS08-1'

E510345-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.8 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.8 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544127
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>		88.2 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544142
Chloride	ND	20.0	1	11/03/25	11/04/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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SS09-0'

E510345-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.7 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.7 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544127
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>		91.2 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544142
Chloride	171	20.0	1	11/03/25	11/04/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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SS09-1'

E510345-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.0 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		98.9 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.0 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		98.9 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544127
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>		89.5 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2544142
Chloride	ND	20.0	1	11/03/25	11/04/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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SS10-0'

E510345-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.0 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		98.2 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.0 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		98.2 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544127
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>		89.2 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544142
Chloride	31.7	20.0	1	11/03/25	11/04/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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SS10-1'

E510345-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544127
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>		87.0 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544142
Chloride	ND	20.0	1	11/03/25	11/04/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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SS11-0'

E510345-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Benzene	ND	0.0250	1	10/29/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/29/25	
Toluene	ND	0.0250	1	10/29/25	10/29/25	
o-Xylene	ND	0.0250	1	10/29/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.1 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/29/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	10/29/25	10/29/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.1 %	70-130	10/29/25	10/29/25	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	10/29/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544127
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>		91.8 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544142
Chloride	178	20.0	1	11/03/25	11/04/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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SS11-1'

E510345-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2544090
Benzene	ND	0.0250	1	10/29/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/29/25	10/30/25	
Toluene	ND	0.0250	1	10/29/25	10/30/25	
o-Xylene	ND	0.0250	1	10/29/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/29/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/29/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	10/29/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	70-130	10/29/25	10/30/25	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	10/29/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2544090
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/29/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	10/29/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	70-130	10/29/25	10/30/25	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	10/29/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2544127
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>		90.6 %	61-141	10/30/25	10/30/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2544142
Chloride	ND	20.0	1	11/03/25	11/04/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544090-BLK1)

Prepared: 10/29/25 Analyzed: 10/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.533		0.500		107		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1		70-130		
Surrogate: Toluene-d8	0.486		0.500		97.1		70-130		

LCS (2544090-BS1)

Prepared: 10/29/25 Analyzed: 10/29/25

Benzene	2.40	0.0250	2.50		95.9		70-130		
Ethylbenzene	2.42	0.0250	2.50		96.6		70-130		
Toluene	2.37	0.0250	2.50		94.9		70-130		
o-Xylene	2.40	0.0250	2.50		95.8		70-130		
p,m-Xylene	4.92	0.0500	5.00		98.3		70-130		
Total Xylenes	7.31	0.0250	7.50		97.5		70-130		
Surrogate: Bromofluorobenzene	0.522		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500		89.2		70-130		
Surrogate: Toluene-d8	0.485		0.500		97.0		70-130		

Matrix Spike (2544090-MS1)

Source: E510345-07

Prepared: 10/29/25 Analyzed: 10/29/25

Benzene	2.72	0.0250	2.50	ND	109		48-131		
Ethylbenzene	2.70	0.0250	2.50	ND	108		45-135		
Toluene	2.63	0.0250	2.50	ND	105		48-130		
o-Xylene	2.66	0.0250	2.50	ND	106		43-135		
p,m-Xylene	5.49	0.0500	5.00	ND	110		43-135		
Total Xylenes	8.15	0.0250	7.50	ND	109		43-135		
Surrogate: Bromofluorobenzene	0.516		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		89.0		70-130		
Surrogate: Toluene-d8	0.480		0.500		95.9		70-130		

Matrix Spike Dup (2544090-MSD1)

Source: E510345-07

Prepared: 10/29/25 Analyzed: 10/29/25

Benzene	2.37	0.0250	2.50	ND	94.7		48-131	13.8	23
Ethylbenzene	2.36	0.0250	2.50	ND	94.3		45-135	13.4	27
Toluene	2.28	0.0250	2.50	ND	91.3		48-130	14.2	24
o-Xylene	2.33	0.0250	2.50	ND	93.1		43-135	13.3	27
p,m-Xylene	4.76	0.0500	5.00	ND	95.1		43-135	14.3	27
Total Xylenes	7.08	0.0250	7.50	ND	94.5		43-135	14.0	27
Surrogate: Bromofluorobenzene	0.512		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.442		0.500		88.4		70-130		
Surrogate: Toluene-d8	0.482		0.500		96.3		70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544090-BLK1)

Prepared: 10/29/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.1	70-130			

LCS (2544090-BS2)

Prepared: 10/29/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.0	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.435		0.500		87.0	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

Matrix Spike (2544090-MS2)

Source: E510345-07

Prepared: 10/29/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500		89.1	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

Matrix Spike Dup (2544090-MSD2)

Source: E510345-07

Prepared: 10/29/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130	4.73	20	
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.448		0.500		89.6	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544127-BLK1)

Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	43.5		50.0		87.1	61-141			

LCS (2544127-BS1)

Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	225	25.0	250		90.1	66-144			
Surrogate: <i>n</i> -Nonane	44.1		50.0		88.3	61-141			

Matrix Spike (2544127-MS1)

Source: E510354-06

Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.7	56-156			
Surrogate: <i>n</i> -Nonane	44.7		50.0		89.3	61-141			

Matrix Spike Dup (2544127-MSD1)

Source: E510354-06

Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.0	56-156	3.79	20	
Surrogate: <i>n</i> -Nonane	44.4		50.0		88.8	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/4/2025 3:48:35PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544142-BLK1)

Prepared: 11/03/25 Analyzed: 11/04/25

Chloride ND 20.0

LCS (2544142-BS1)

Prepared: 11/03/25 Analyzed: 11/04/25

Chloride 252 20.0 250 101 90-110

Matrix Spike (2544142-MS1)

Source: E510345-06

Prepared: 11/03/25 Analyzed: 11/04/25

Chloride 255 20.0 250 ND 102 80-120

Matrix Spike Dup (2544142-MSD1)

Source: E510345-06

Prepared: 11/03/25 Analyzed: 11/04/25

Chloride 256 20.0 250 ND 102 80-120 0.495 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/04/25 15:48
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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.



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# 5 Job Number E51034023008.0002				1D 2D 3D Std				NM CO UT TX			
Project Name: John Callahan TB				Address: 3122 National Parks Hwy				CM 10/29/25				X				X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
1101	10/27/2025	S	1	SS07 - 0'		1								X						
1315	10/27/2025	S	1	SS07 - 1'		2								X						
1103	10/27/2025	S	1	SS08 - 0'		3								X						
1309	10/27/2025	S	1	SS08 - 1'		4								X						
1105	10/27/2025	S	1	SS09 - 0'		5								X						
1323	10/27/2025	S	1	SS09 - 1'		6								X						
1107	10/27/2025	S	1	SS10 - 0'		7								X						
1335	10/27/2025	S	1	SS10 - 1'		8								X						
1109	10/27/2025	S	1	SS11 - 0'		9								X						
1345	10/27/2025	S	1	SS11 - 1'		10								X						

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jimcauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@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: <u>Jarad McCauley</u>						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					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Jarad McCauley</i>	10-28-25	0711	<i>Michelle Gonzales</i>	10-28-25	0711						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	10-28-25	1445	<i>Marissa Gonzales</i>	10-28-25	1445						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Marissa Gonzales</i>	10-28-25	1920	<i>Andrew Musso</i>	10-28-25	1920						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Andrew Musso</i>	10-28-25	2315	<i>Cathy Mor</i>	10-29-25	745						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 10/29/2025 9:22:47AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Matador Resources, LLC. Date Received: 10/29/25 07:45 Work Order ID: E510345
Phone: (972) 371-5200 Date Logged In: 10/28/25 15:45 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 11/04/25 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan TB

Work Order: E510399

Job Number: 23003-0002

Received: 11/3/2025

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/14/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 11/14/25

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



Project Name: John Callahan TB
Workorder: E510399
Date Received: 11/3/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/3/2025 7:00:00AM, under the Project Name: John Callahan TB.

The analytical test results summarized in this report with the Project Name: John Callahan TB 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

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BH07-2'	35
BH08-0'	36
BH08-0.5'	37
BH08-1'	38
BH08-2'	39
BH09-0'	40
BH09-0.5'	41
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/25 17:20
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E510399-01A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH01-0.5'	E510399-02A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH01-1'	E510399-03A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH01-2'	E510399-04A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH02-0'	E510399-05A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH02-0.5'	E510399-06A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH02-1'	E510399-07A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH02-2'	E510399-08A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH03-0'	E510399-09A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH03-0.5'	E510399-10A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH03-1'	E510399-11A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH03-2'	E510399-12A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH04-0'	E510399-13A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH04-0.5'	E510399-14A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH04-1'	E510399-15A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH04-2'	E510399-16A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH05-0'	E510399-17A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH05-0.5'	E510399-18A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH05-1'	E510399-19A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH05-2'	E510399-20A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH06-0'	E510399-21A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH06-0.5'	E510399-22A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH06-1'	E510399-23A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH06-2'	E510399-24A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH07-0'	E510399-25A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH07-0.5'	E510399-26A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH07-1'	E510399-27A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH07-2'	E510399-28A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH08-0'	E510399-29A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH08-0.5'	E510399-30A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH08-1'	E510399-31A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH08-2'	E510399-32A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH09-0'	E510399-33A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH09-0.5'	E510399-34A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH09-1'	E510399-35A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH09-2'	E510399-36A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH10-0'	E510399-37A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH10-0.5'	E510399-38A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH10-1'	E510399-39A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.
BH10-2'	E510399-40A	Soil	10/30/25	11/03/25	Glass Jar, 2 oz.

Project Name: {PROJECT}
 Workorder: {WORKORDER}
 Date Received: {RECEIVED}

Client requested several samples between E510399-21 and E510399-40 to be Re-extracted and Re-analyzed for DRO/ORO by 8015.

Values from Re-extraction and Re-analysis did not match originally reported data. Following this discovery the remaining samples within that range that were not requested for Re-analysis were Re-extracted and Re-analyzed. Due to lab error the incorrect data for E510399-21 and E510399-40 was originally reported.

This report includes the DRO/ORO values from the Re-extracted and Re-analyzed samples, The original report Revision 2.0 has the original DRO/ORO reported data values.

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

Respectfully,

Walter Hinchman

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH01-0'

E510399-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.3 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.3 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	42.0	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH01-0'

E510399-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545046
<i>Surrogate: n-Nonane</i>	96.3 %	61-141		11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2545090
Chloride	59.9	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH01-0.5'
E510399-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.3 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.3 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		96.0 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	1140	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH01-1'

E510399-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		93.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		93.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		97.4 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH01-2'
E510399-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/05/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/05/25	
Toluene	ND	0.0250	1	11/03/25	11/05/25	
o-Xylene	ND	0.0250	1	11/03/25	11/05/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/05/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		92.4 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		92.4 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		93.4 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH02-0'

E510399-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.0 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	206	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	106	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		94.2 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	2920	40.0	2	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH02-0.5'

E510399-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		92.6 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	26.1	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH02-1'

E510399-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.9 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.9 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH02-2'

E510399-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		91.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		91.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		98.1 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH03-0'

E510399-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.4 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.4 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	26500	1000	50	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH03-0.5'

E510399-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		91.8 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		91.8 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		94.5 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	1140	40.0	2	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH03-1'
E510399-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	498	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH03-2'

E510399-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		90.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		90.1 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		99.2 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	36.7	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH04-0'
E510399-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		97.5 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.6 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		97.5 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		92.6 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		95.6 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	13400	200	10	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH04-0.5'

E510399-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/04/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/04/25	
Toluene	ND	0.0250	1	11/03/25	11/04/25	
o-Xylene	ND	0.0250	1	11/03/25	11/04/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/04/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		91.8 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/04/25	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	11/03/25	11/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	11/03/25	11/04/25	
<i>Surrogate: Toluene-d8</i>		91.8 %	70-130	11/03/25	11/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/04/25	
<i>Surrogate: n-Nonane</i>		92.7 %	61-141	11/04/25	11/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	123	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH04-1'

E510399-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/05/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/05/25	
Toluene	ND	0.0250	1	11/03/25	11/05/25	
o-Xylene	ND	0.0250	1	11/03/25	11/05/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/05/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		91.4 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		91.4 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/05/25	
<i>Surrogate: n-Nonane</i>		93.8 %	61-141	11/04/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH04-2'

E510399-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/05/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/05/25	
Toluene	ND	0.0250	1	11/03/25	11/05/25	
o-Xylene	ND	0.0250	1	11/03/25	11/05/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/05/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		91.6 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		91.6 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/05/25	
<i>Surrogate: n-Nonane</i>		93.0 %	61-141	11/04/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	37.2	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH05-0'

E510399-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/05/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/05/25	
Toluene	ND	0.0250	1	11/03/25	11/05/25	
o-Xylene	ND	0.0250	1	11/03/25	11/05/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/05/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		91.8 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		91.8 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	167	25.0	1	11/04/25	11/05/25	
Oil Range Organics (C28-C36)	93.8	50.0	1	11/04/25	11/05/25	
<i>Surrogate: n-Nonane</i>		94.9 %	61-141	11/04/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	23700	1000	50	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH05-0.5'

E510399-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/05/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/05/25	
Toluene	ND	0.0250	1	11/03/25	11/05/25	
o-Xylene	ND	0.0250	1	11/03/25	11/05/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/05/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		92.0 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		92.0 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/05/25	
<i>Surrogate: n-Nonane</i>		94.9 %	61-141	11/04/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	46.0	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH05-1'
E510399-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/05/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/05/25	
Toluene	ND	0.0250	1	11/03/25	11/05/25	
o-Xylene	ND	0.0250	1	11/03/25	11/05/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/05/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		91.8 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		91.8 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/05/25	
<i>Surrogate: n-Nonane</i>		93.7 %	61-141	11/04/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	22.7	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH05-2'
E510399-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Benzene	ND	0.0250	1	11/03/25	11/05/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/05/25	
Toluene	ND	0.0250	1	11/03/25	11/05/25	
o-Xylene	ND	0.0250	1	11/03/25	11/05/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/05/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		92.2 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	11/03/25	11/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/03/25	11/05/25	
<i>Surrogate: Toluene-d8</i>		92.2 %	70-130	11/03/25	11/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545046
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/05/25	
<i>Surrogate: n-Nonane</i>		95.6 %	61-141	11/04/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545090
Chloride	28.3	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH06-0'
E510399-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	44.0	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		89.8 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	9170	200	10	11/05/25	11/05/25	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH06-0.5'

E510399-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>		85.3 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH06-1'
E510399-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		85.7 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH06-2'

E510399-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>		88.2 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH07-0'
E510399-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		114 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	48.6	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		86.7 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	15800	200	10	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH07-0.5'

E510399-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		86.6 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	545	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH07-1'

E510399-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		86.7 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	26.2	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH07-2'
E510399-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		87.5 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH08-0'
E510399-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.2 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	33.4	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		86.6 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	6770	100	5	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH08-0.5'

E510399-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.9 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		87.3 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH08-1'
E510399-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.6 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		87.7 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH08-2'
E510399-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		86.5 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH09-0'
E510399-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>		87.3 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	22100	400	20	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH09-0.5'

E510399-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		85.7 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH09-1'
E510399-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>						
		86.1 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH09-2'
E510399-36

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		118 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>		85.3 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH10-0'
E510399-37

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		119 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/12/25	
<i>Surrogate: n-Nonane</i>		86.5 %	61-141	11/04/25	11/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	14700	200	10	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH10-0.5'

E510399-38

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		118 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/13/25	
<i>Surrogate: n-Nonane</i>		84.6 %	61-141	11/04/25	11/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	45.0	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH10-1'
E510399-39

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		120 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.6 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/13/25	
<i>Surrogate: n-Nonane</i>						
		84.0 %	61-141	11/04/25	11/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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BH10-2'
E510399-40

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Benzene	ND	0.0250	1	11/03/25	11/06/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/06/25	
Toluene	ND	0.0250	1	11/03/25	11/06/25	
o-Xylene	ND	0.0250	1	11/03/25	11/06/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/06/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545023
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	11/03/25	11/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/25	11/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/25	11/13/25	
<i>Surrogate: n-Nonane</i>						
		87.6 %	61-141	11/04/25	11/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2545091
Chloride	ND	20.0	1	11/05/25	11/05/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545022-BLK1)

Prepared: 11/03/25 Analyzed: 11/05/25

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	0.512		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4		70-130		
Surrogate: Toluene-d8	0.462		0.500		92.4		70-130		

LCS (2545022-BS1)

Prepared: 11/03/25 Analyzed: 11/05/25

Benzene	2.57	0.0250	2.50		103		70-130		
Ethylbenzene	2.17	0.0250	2.50		86.8		70-130		
Toluene	2.09	0.0250	2.50		83.4		70-130		
o-Xylene	2.08	0.0250	2.50		83.3		70-130		
p,m-Xylene	4.21	0.0500	5.00		84.1		70-130		
Total Xylenes	6.29	0.0250	7.50		83.8		70-130		
Surrogate: Bromofluorobenzene	0.510		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102		70-130		
Surrogate: Toluene-d8	0.461		0.500		92.2		70-130		

Matrix Spike (2545022-MS1)

Source: E510399-04

Prepared: 11/03/25 Analyzed: 11/05/25

Benzene	2.34	0.0250	2.50	ND	93.6		48-131		
Ethylbenzene	2.07	0.0250	2.50	ND	82.8		45-135		
Toluene	1.91	0.0250	2.50	ND	76.2		48-130		
o-Xylene	1.92	0.0250	2.50	ND	76.9		43-135		
p,m-Xylene	3.88	0.0500	5.00	ND	77.6		43-135		
Total Xylenes	5.80	0.0250	7.50	ND	77.3		43-135		
Surrogate: Bromofluorobenzene	0.501		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102		70-130		
Surrogate: Toluene-d8	0.461		0.500		92.1		70-130		

Matrix Spike Dup (2545022-MSD1)

Source: E510399-04

Prepared: 11/03/25 Analyzed: 11/05/25

Benzene	2.48	0.0250	2.50	ND	99.3		48-131	5.95	23
Ethylbenzene	2.11	0.0250	2.50	ND	84.3		45-135	1.82	27
Toluene	2.03	0.0250	2.50	ND	81.1		48-130	6.18	24
o-Xylene	2.00	0.0250	2.50	ND	80.1		43-135	4.03	27
p,m-Xylene	4.04	0.0500	5.00	ND	80.7		43-135	4.03	27
Total Xylenes	6.04	0.0250	7.50	ND	80.5		43-135	4.03	27
Surrogate: Bromofluorobenzene	0.494		0.500		98.8		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101		70-130		
Surrogate: Toluene-d8	0.467		0.500		93.3		70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545023-BLK1)

Prepared: 11/03/25 Analyzed: 11/06/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.17		8.00		115	70-130			

LCS (2545023-BS1)

Prepared: 11/03/25 Analyzed: 11/06/25

Benzene	4.89	0.0250	5.00		97.8	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.82	0.0250	5.00		96.4	70-130			
o-Xylene	4.88	0.0250	5.00		97.6	70-130			
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.16		8.00		115	70-130			

Matrix Spike (2545023-MS1)

Source: E510399-26

Prepared: 11/03/25 Analyzed: 11/06/25

Benzene	5.46	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.28	0.0250	5.00	ND	106	70-130			
Toluene	5.37	0.0250	5.00	ND	107	70-130			
o-Xylene	5.45	0.0250	5.00	ND	109	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.17		8.00		115	70-130			

Matrix Spike Dup (2545023-MSD1)

Source: E510399-26

Prepared: 11/03/25 Analyzed: 11/06/25

Benzene	4.95	0.0250	5.00	ND	99.0	70-130	9.88	27	
Ethylbenzene	4.82	0.0250	5.00	ND	96.3	70-130	9.25	26	
Toluene	4.87	0.0250	5.00	ND	97.4	70-130	9.80	20	
o-Xylene	4.95	0.0250	5.00	ND	99.0	70-130	9.64	25	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	70-130	9.30	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130	9.41	26	
Surrogate: 4-Bromochlorobenzene-PID	9.23		8.00		115	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545022-BLK1)

Prepared: 11/03/25 Analyzed: 11/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.462		0.500		92.4	70-130			

LCS (2545022-BS2)

Prepared: 11/03/25 Analyzed: 11/07/25

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130			

Matrix Spike (2545022-MS2)

Source: E510399-04

Prepared: 11/03/25 Analyzed: 11/05/25

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.9	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130			
Surrogate: Toluene-d8	0.471		0.500		94.1	70-130			

Matrix Spike Dup (2545022-MSD2)

Source: E510399-04

Prepared: 11/03/25 Analyzed: 11/05/25

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.3	70-130	2.61	20	
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.462		0.500		92.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545023-BLK1)

Prepared: 11/03/25 Analyzed: 11/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

LCS (2545023-BS2)

Prepared: 11/03/25 Analyzed: 11/06/25

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0		97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			

Matrix Spike (2545023-MS2)

Source: E510399-26

Prepared: 11/03/25 Analyzed: 11/06/25

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

Matrix Spike Dup (2545023-MSD2)

Source: E510399-26

Prepared: 11/03/25 Analyzed: 11/06/25

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	70-130	2.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545046-BLK1)

Prepared: 11/04/25 Analyzed: 11/04/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.1	61-141			

LCS (2545046-BS1)

Prepared: 11/04/25 Analyzed: 11/04/25

Diesel Range Organics (C10-C28)	241	25.0	250		96.4	66-144			
Surrogate: <i>n</i> -Nonane	46.2		50.0		92.4	61-141			

Matrix Spike (2545046-MS1)

Source: E510399-05

Prepared: 11/04/25 Analyzed: 11/04/25

Diesel Range Organics (C10-C28)	506	25.0	250	206	120	56-156			
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.2	61-141			

Matrix Spike Dup (2545046-MSD1)

Source: E510399-05

Prepared: 11/04/25 Analyzed: 11/04/25

Diesel Range Organics (C10-C28)	443	25.0	250	206	94.8	56-156	13.4	20	
Surrogate: <i>n</i> -Nonane	46.5		50.0		93.0	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2546100-BLK1)

Prepared: 11/12/25 Analyzed: 11/12/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	43.7		50.0		87.3	61-141			

LCS (2546100-BS1)

Prepared: 11/12/25 Analyzed: 11/12/25

Diesel Range Organics (C10-C28)	223	25.0	250		89.1	66-144			
Surrogate: <i>n</i> -Nonane	43.2		50.0		86.3	61-141			

Matrix Spike (2546100-MS1)

Source: E510399-24RE2 Prepared: 11/12/25 Analyzed: 11/12/25

Diesel Range Organics (C10-C28)	220	25.0	250	ND	88.1	56-156			
Surrogate: <i>n</i> -Nonane	43.7		50.0		87.4	61-141			

Matrix Spike Dup (2546100-MSD1)

Source: E510399-24RE2 Prepared: 11/12/25 Analyzed: 11/12/25

Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.1	56-156	1.10	20	
Surrogate: <i>n</i> -Nonane	43.0		50.0		85.9	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545090-BLK1)

Prepared: 11/05/25 Analyzed: 11/05/25

Chloride ND 20.0

LCS (2545090-BS1)

Prepared: 11/05/25 Analyzed: 11/05/25

Chloride 258 20.0 250 103 90-110

Matrix Spike (2545090-MS1)

Source: E510399-14

Prepared: 11/05/25 Analyzed: 11/05/25

Chloride 379 20.0 250 123 102 80-120

Matrix Spike Dup (2545090-MSD1)

Source: E510399-14

Prepared: 11/05/25 Analyzed: 11/05/25

Chloride 378 20.0 250 123 102 80-120 0.350 20



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/2025 5:20:41PM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545091-BLK1)

Prepared: 11/05/25 Analyzed: 11/05/25

Chloride ND 20.0

LCS (2545091-BS1)

Prepared: 11/05/25 Analyzed: 11/05/25

Chloride 255 20.0 250 102 90-110

Matrix Spike (2545091-MS1)

Source: E510399-23

Prepared: 11/05/25 Analyzed: 11/05/25

Chloride 262 20.0 250 ND 105 80-120

Matrix Spike Dup (2545091-MSD1)

Source: E510399-23

Prepared: 11/05/25 Analyzed: 11/05/25

Chloride 263 20.0 250 ND 105 80-120 0.398 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/14/25 17:20
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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.



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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E510399		28003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information					Analysis and Method										EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCCQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
931	10/30/2025	S	1	BH01 - 0'		1								X					2.8	
933	10/30/2025	S	1	BH01 - 0.5'		2								X					3.6	
935	10/30/2025	S	1	BH01 - 1'		3								X					3.0	
937	10/30/2025	S	1	BH01 - 2'		4								X					3.4	
1031	10/30/2025	S	1	BH02 - 0'		5								X					3.8	
1033	10/30/2025	S	1	BH02 - 0.5'		6								X					2.9	
1035	10/30/2025	S	1	BH02 - 1'		7								X					3.6	
1037	10/30/2025	S	1	BH02 - 2'		8								X					3.4	
1125	10/30/2025	S	1	BH03 - 0'		9								X					3.8	
1127	10/30/2025	S	1	BH03 - 0.5'		10								X					2.9	

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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: <u>Jarad McCauley</u>									
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: <input checked="" type="radio"/> Y <input type="radio"/> N			
<i>Jarad McCauley</i>	10/31/25	7:00	<i>Michelle Gonzales</i>	10/31/25	0700				
<i>Michelle Gonzales</i>	11/01/25	1000	<i>Nathan Gonzales</i>	11/01/25	1000				
<i>Nathan Gonzales</i>	11/01/25	1300	<i>Neil Sato</i>	11/01/25	1300				
<i>Neil Sato</i>	11/01/25	19:15	<i>Neil Sato</i>	11-3-25	0700				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time				

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.

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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E510399		23003002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information										Analysis and Method				EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEA 1005 - TX	RCRA 8 Metals	BGDQC - NM	BGDQC - TX	SDWA	CWA	RCRA	
1129	10/30/2025	S	1	BH03 - 1'		11								X					
1131	10/30/2025	S	1	BH03 - 2'		12								X					
1229	10/30/2025	S	1	BH04 - 0'		13								X					
1231	10/30/2025	S	1	BH04 - 0.5'		14								X					
1233	10/30/2025	S	1	BH04 - 1'		15								X					
1235	10/30/2025	S	1	BH04 - 2'		16								X					
1219	10/30/2025	S	1	BH05 - 0'		17								X					
1221	10/30/2025	S	1	BH05 - 0.5'		18								X					
1223	10/30/2025	S	1	BH05 - 1'		19								X					
1225	10/30/2025	S	1	BH05 - 2'		20								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, imccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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: <u>Jarad McCauley</u>																			
Relinquished by: (Signature) <i>JM</i>				Date	Time	Received by: (Signature) <i>Michelle Gonzales</i>				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: <input checked="" type="radio"/> Y <input type="radio"/> N							
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>				Date	Time								
Relinquished by: (Signature) <i>Nathan Gonzalez</i>				Date	Time	Received by: (Signature) <i>JJ</i>				Date	Time								
Relinquished by: (Signature) <i>JJ</i>				Date	Time	Received by: (Signature) <i>Noe Soto</i>				Date	Time								
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time								
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.																			

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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E510399		23003002					X	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy				Phone: 575-988-0055																	
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																	
Phone: 575-988-0055				Miscellaneous:																	
Email: agiovengo@ensolum.com																					
Sample Information										Analysis and Method						EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N	
																	PWSID #				
																	Sample Temp			Remarks	
1311	10/30/2025	S	1	BH06 - 0'			21								X					3.2	
1313	10/30/2025	S	1	BH06 - 0.5'			22								X					3.8	
1315	10/30/2025	S	1	BH06 - 1'			23								X					3.6	
1317	10/30/2025	S	1	BH06 - 2'			24								X					3.4	
1321	10/30/2025	S	1	BH07 - 0'			25								X					3.0	
1323	10/30/2025	S	1	BH07 - 0.5'			26								X					2.8	
1325	10/30/2025	S	1	BH07 - 1'			27								X					2.8	
1327	10/30/2025	S	1	BH07 - 2'			28								X					2.6	
1333	10/30/2025	S	1	BH08 - 0'			29								X					2.5	
1335	10/30/2025	S	1	BH08 - 0.5'			30								X					2.4	
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																					
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Sampled by: Jarad McCauley																					
Relinquished by: (Signature) <i>JM</i>		Date	Time	Received by: (Signature) <i>Michelle Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>	
Relinquished by: (Signature) <i>Michelle Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>	
Relinquished by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>	
Relinquished by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>	
Relinquished by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>		Date	Time	Received by: (Signature) <i>Nathan Gonzalez</i>	
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: <input checked="" type="radio"/> Y <input type="radio"/> 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.																					

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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E510399		230030002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
1337	10/30/2025	S	1	BH08 - 1'		31								X		3.0			
1339	10/30/2025	S	1	BH08 - 2'		32								X		3.2			
1343	10/30/2025	S	1	BH09 - 0'		33								X		3.4			
1345	10/30/2025	S	1	BH09 - 0.5'		34								X		3.6			
1347	10/30/2025	S	1	BH09 - 1'		35								X		2.8			
1349	10/30/2025	S	1	BH09 - 2'		36								X		2.6			
1353	10/30/2025	S	1	BH10 - 0'		37								X		2.0			
1355	10/30/2025	S	1	BH10 - 0.5'		38								X		2.4			
1357	10/30/2025	S	1	BH10 - 1'		39								X		3.0			
1359	10/30/2025	S	1	BH10 - 2'		40								X		3.2			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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.

Relinquished by: (Signature) <i>JM</i> Date: 10/31/25 Time: 7:00						Received by: (Signature) <i>Michelle Gonzales</i> Date: 10/31/25 Time: 0700						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.
Relinquished by: (Signature) <i>Michelle Gonzales</i> Date: 11/01/25 Time: 1000						Received by: (Signature) <i>Nathan Gonzalez</i> Date: 11/01/25 Time: 1000						
Relinquished by: (Signature) <i>Nathan Gonzalez</i> Date: 11/01/25 Time: 1300						Received by: (Signature) <i>Nathan Gonzalez</i> Date: 11-1-25 Time: 1300						
Relinquished by: (Signature) <i>Nathan Gonzalez</i> Date: 11-1-25 Time: 19:15						Received by: (Signature) <i>Noe Soto</i> Date: 11-3-25 Time: 0700						
Relinquished by: (Signature) _____ Date: _____ Time: _____						Received by: (Signature) _____ Date: _____ Time: _____						

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: 11/3/2025 10:23:00AM

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: 11/03/25 07:00	Work Order ID: E510399
Phone: (972) 371-5200	Date Logged In: 10/31/25 15:25	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 11/07/25 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
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 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

Comments/Resolution

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

Date



envirotech Inc.



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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E510399		2303-002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information										Analysis and Method				EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
931	10/30/2025	S	1	BH01 - 0'		1								X		2.8			
933	10/30/2025	S	1	BH01 - 0.5'		2								X		3.6			
935	10/30/2025	S	1	BH01 - 1'		3								X		3.0			
937	10/30/2025	S	1	BH01 - 2'		4								X		3.4			
1031	10/30/2025	S	1	BH02 - 0'		5								X		3.8			
1033	10/30/2025	S	1	BH02 - 0.5'		6								X		2.9			
1035	10/30/2025	S	1	BH02 - 1'		7								X		3.6			
1037	10/30/2025	S	1	BH02 - 2'		8								X		3.4			
1125	10/30/2025	S	1	BH03 - 0'		9								X		3.8			
1127	10/30/2025	S	1	BH03 - 0.5'		10								X		2.9			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@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: Jarad McCauley																			
Client req. Run for Dro on Several Samples - 11/10/25 CM																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 5°C on subsequent days.							
<i>JM</i>		10/31/25		7:00		Michelle Gonzales		10/31/25		0700									
Michelle Gonzales		11/01/25		1000		Nathan Gonzales		11/01/25		1000									
Nathan Gonzales		11/01/25		1300		<i>[Signature]</i>		11/01/25		1300									
Paul Jay		11/01/25		19:05		NR Sato		11-3-25		0700									
Received on ice:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> 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.																			

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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E510399		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Email: agiovengo@ensolum.com															
City, State, Zip: Carlsbad NM, 88220				Miscellaneous:															
Phone: 575-988-0055																			
Email: agiovengo@ensolum.com																			
Sample Information										Analysis and Method						EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BIGDOC - NM	BIGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
1129	10/30/2025	S	1	BH03 - 1'		11								X		2.8			
1131	10/30/2025	S	1	BH03 - 2'		12								X		3.2			
1229	10/30/2025	S	1	BH04 - 0'		13								X		3.2			
1231	10/30/2025	S	1	BH04 - 0.5'		14								X		3.6			
1233	10/30/2025	S	1	BH04 - 1'		15								X		3.4			
1235	10/30/2025	S	1	BH04 - 2'		16								X		3.7			
1219	10/30/2025	S	1	BH05 - 0'		17								X		3.6			
1221	10/30/2025	S	1	BH05 - 0.5'		18								X		3.0			
1223	10/30/2025	S	1	BH05 - 1'		19								X		2.8			
1225	10/30/2025	S	1	BH05 - 2'		20								X		2.6			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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: <u>Jarad McCauley</u>																			
Relinquished by: (Signature) <u>[Signature]</u>				Date: <u>10/31/25</u>		Time: <u>7:00</u>		Received by: (Signature) <u>Michelle Gonzales</u>				Date: <u>10/31/25</u>		Time: <u>0700</u>		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: <input checked="" type="radio"/> Y <input type="radio"/> N			
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date: <u>11/01/25</u>		Time: <u>1000</u>		Received by: (Signature) <u>Nathan Gonzales</u>				Date: <u>11/01/25</u>		Time: <u>1000</u>					
Relinquished by: (Signature) <u>Nathan Gonzales</u>				Date: <u>11/01/25</u>		Time: <u>1300</u>		Received by: (Signature) <u>[Signature]</u>				Date: <u>11-1-25</u>		Time: <u>1300</u>					
Relinquished by: (Signature) <u>[Signature]</u>				Date: <u>11-1-25</u>		Time: <u>19:15</u>		Received by: (Signature) <u>Noe Soto</u>				Date: <u>11-3-25</u>		Time: <u>0700</u>					
Relinquished by: (Signature) <u>[Signature]</u>				Date: _____		Time: _____		Received by: (Signature) _____				Date: _____		Time: _____					
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.																			

Client req rerun for PWS on several samples 11/01/25 Can

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Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: John Callahan TB				Address: 3122 National Parks Hwy				E510399		230050002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	BGDOC-NM	BGDOC-TX	SDWA	CWA	RCRA	Compliance	Y	or	N		
1311	10/30/2025	S	1	BH06 - 0'			21								X										3.2
1313	10/30/2025	S	1	BH06 - 0.5'			22	X							X										3.8
1315	10/30/2025	S	1	BH06 - 1'			23	X							X										3.6
1317	10/30/2025	S	1	BH06 - 2'			24	X							X										3.4
1321	10/30/2025	S	1	BH07 - 0'			25								X										3.0
1323	10/30/2025	S	1	BH07 - 0.5'			26	X							X										2.8
1325	10/30/2025	S	1	BH07 - 1'			27	X							X										2.8
1327	10/30/2025	S	1	BH07 - 2'			28	X							X										2.6
1333	10/30/2025	S	1	BH08 - 0'			29								X										2.5
1335	10/30/2025	S	1	BH08 - 0.5'			30	X							X										2.4

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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: Jarad McCauley

Relinquished by: (Signature) <u>JM</u>	Date <u>10/31/25</u>	Time <u>7:00</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>10/31/25</u>	Time <u>07:00</u>	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: <u>Y</u> N
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>11/01/25</u>	Time <u>1000</u>	Received by: (Signature) <u>Nathan Gonzales</u>	Date <u>11/01/25</u>	Time <u>1000</u>	
Relinquished by: (Signature) <u>Nathan Gonzales</u>	Date <u>11/01/25</u>	Time <u>1300</u>	Received by: (Signature) <u>JJL</u>	Date <u>11-1-25</u>	Time <u>1300</u>	
Relinquished by: (Signature) <u>JJL</u>	Date <u>11-1-25</u>	Time <u>19:15</u>	Received by: (Signature) <u>Noe Soto</u>	Date <u>11-3-25</u>	Time <u>0700</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Client req to return several samples for DRO 11/10/25 CM

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.



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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E510399		23050002								X		X									
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																									
Address: 3122 National Parks Hwy				Phone: 575-988-0055																									
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																									
Phone: 575-988-0055				Miscellaneous:																									
Email: agiovengo@ensolum.com																													

Sample Information										Analysis and Method										EPA Program					
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEO 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #	Sample Temp	Remarks
1337	10/30/2025	S	1	BH08 - 1'		31	X							X										3.0	
1339	10/30/2025	S	1	BH08 - 2'		32	X							X										3.2	
1343	10/30/2025	S	1	BH09 - 0'		33								X										3.4	
1345	10/30/2025	S	1	BH09 - 0.5'		34	X							X										3.6	
1347	10/30/2025	S	1	BH09 - 1'		35	X							X										2.8	
1349	10/30/2025	S	1	BH09 - 2'		36	X							X										2.6	
1353	10/30/2025	S	1	BH10 - 0'		37								X										2.0	
1355	10/30/2025	S	1	BH10 - 0.5'		38	X							X										2.4	
1357	10/30/2025	S	1	BH10 - 1'		39	X							X										3.0	
1359	10/30/2025	S	1	BH10 - 2'		40	X							X										3.2	

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@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: Jarad McCauley

Client req return for ORO on several samples

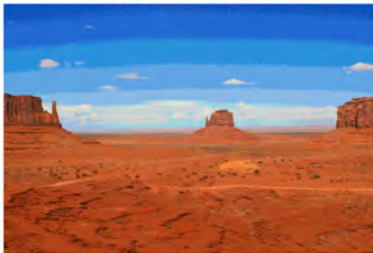
Relinquished by: (Signature) <i>JM</i>	Date: 10/31/25	Time: 7:00	Received by: (Signature) <i>Michelle Gonzales</i>	Date: 10/31/25	Time: 0700	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date: 11/01/25	Time: 1000	Received by: (Signature) <i>Nathan Gonzales</i>	Date: 11/01/25	Time: 1000	
Relinquished by: (Signature) <i>Nathan Gonzales</i>	Date: 11/01/25	Time: 1300	Received by: (Signature) <i>Nathan Gonzales</i>	Date: 11-1-25	Time: 1300	
Relinquished by: (Signature) <i>Nathan Gonzales</i>	Date: 11-1-25	Time: 19:15	Received by: (Signature) <i>Noe Soto</i>	Date: 11-3-25	Time: 0700	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N

11/20/25 CM

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.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan CTB

Work Order: E511018

Job Number: 23003-0002

Received: 11/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/11/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 11/11/25



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

Project Name: John Callahan CTB
Workorder: E511018
Date Received: 11/4/2025 6:25:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2025 6:25:00PM, under the Project Name: John Callahan CTB.

The analytical test results summarized in this report with the Project Name: John Callahan CTB 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 regarding 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/25 08:38
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02-0'	E511018-01A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS02-1'	E511018-02A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS03-0'	E511018-03A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS03-1'	E511018-04A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS04-0'	E511018-05A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS04-1'	E511018-06A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS05-0'	E511018-07A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS05-1'	E511018-08A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS06-0'	E511018-09A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS06-1'	E511018-10A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS12-0'	E511018-11A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS12-1'	E511018-12A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS13-0'	E511018-13A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS13-1'	E511018-14A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS15-0'	E511018-15A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.
SS15-1'	E511018-16A	Soil	11/03/25	11/04/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS02-0'

E511018-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>						
		95.0 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	94.9	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS02-1'

E511018-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>		89.8 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	22.2	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS03-0'

E511018-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		111 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>		92.3 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	54.8	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS03-1'

E511018-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>						
		89.0 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	116	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS04-0'

E511018-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.3 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>						
		91.7 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	25.3	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS04-1'

E511018-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.1 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>						
		91.3 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	34.8	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS05-0'

E511018-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>						
		91.0 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	42.4	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS05-1'

E511018-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>		87.7 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	ND	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS06-0'

E511018-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>		90.9 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	53.9	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS06-1'

E511018-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>		89.7 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	ND	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS12-0'

E511018-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>						
		92.7 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	24.1	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS12-1'

E511018-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.8 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>						
		87.0 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	ND	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS13-0'

E511018-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>						
		93.2 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	37.0	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS13-1'

E511018-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>						
		89.7 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	58.7	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS15-0'

E511018-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2545085	
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2545085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2545096	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>		91.1 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2545143	
Chloride	27.2	20.0	1	11/07/25	11/07/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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SS15-1'

E511018-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Benzene	ND	0.0250	1	11/05/25	11/07/25	
Ethylbenzene	ND	0.0250	1	11/05/25	11/07/25	
Toluene	ND	0.0250	1	11/05/25	11/07/25	
o-Xylene	ND	0.0250	1	11/05/25	11/07/25	
p,m-Xylene	ND	0.0500	1	11/05/25	11/07/25	
Total Xylenes	ND	0.0250	1	11/05/25	11/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		114 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2545085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/25	11/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	11/05/25	11/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545096
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/25	11/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/25	11/05/25	
<i>Surrogate: n-Nonane</i>						
		87.7 %	61-141	11/05/25	11/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2545143
Chloride	46.8	20.0	1	11/07/25	11/07/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545085-BLK1)

Prepared: 11/05/25 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	8.93		8.00		112	70-130			

LCS (2545085-BS1)

Prepared: 11/05/25 Analyzed: 11/07/25

Benzene	4.62	0.0250	5.00		92.5	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.55	0.0250	5.00		91.0	70-130			
o-Xylene	4.60	0.0250	5.00		92.1	70-130			
p,m-Xylene	9.21	0.0500	10.0		92.1	70-130			
Total Xylenes	13.8	0.0250	15.0		92.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.95		8.00		112	70-130			

Matrix Spike (2545085-MS1)

Source: E511018-03

Prepared: 11/05/25 Analyzed: 11/07/25

Benzene	5.19	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.02	0.0250	5.00	ND	100	70-130			
Toluene	5.09	0.0250	5.00	ND	102	70-130			
o-Xylene	5.12	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.80		8.00		110	70-130			

Matrix Spike Dup (2545085-MSD1)

Source: E511018-03

Prepared: 11/05/25 Analyzed: 11/07/25

Benzene	5.20	0.0250	5.00	ND	104	70-130	0.267	27	
Ethylbenzene	5.06	0.0250	5.00	ND	101	70-130	0.937	26	
Toluene	5.12	0.0250	5.00	ND	102	70-130	0.592	20	
o-Xylene	5.17	0.0250	5.00	ND	103	70-130	1.12	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	1.02	23	
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130	1.06	26	
Surrogate: 4-Bromochlorobenzene-PID	9.06		8.00		113	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545085-BLK1)

Prepared: 11/05/25 Analyzed: 11/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

LCS (2545085-BS2)

Prepared: 11/05/25 Analyzed: 11/07/25

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

Matrix Spike (2545085-MS2)

Source: E511018-03

Prepared: 11/05/25 Analyzed: 11/07/25

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			

Matrix Spike Dup (2545085-MSD2)

Source: E511018-03

Prepared: 11/05/25 Analyzed: 11/07/25

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.1	70-130	2.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545096-BLK1)

Prepared: 11/05/25 Analyzed: 11/05/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.6		50.0		89.2	61-141			

LCS (2545096-BS1)

Prepared: 11/05/25 Analyzed: 11/05/25

Diesel Range Organics (C10-C28)	237	25.0	250		94.8	66-144			
Surrogate: n-Nonane	43.6		50.0		87.2	61-141			

Matrix Spike (2545096-MS1)

Source: E511018-09

Prepared: 11/05/25 Analyzed: 11/05/25

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	56-156			
Surrogate: n-Nonane	47.6		50.0		95.2	61-141			

Matrix Spike Dup (2545096-MSD1)

Source: E511018-09

Prepared: 11/05/25 Analyzed: 11/05/25

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	56-156	0.356	20	
Surrogate: n-Nonane	46.5		50.0		93.0	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/2025 8:38:44AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545143-BLK1)

Prepared: 11/07/25 Analyzed: 11/07/25

Chloride ND 20.0

LCS (2545143-BS1)

Prepared: 11/07/25 Analyzed: 11/07/25

Chloride 254 20.0 250 101 90-110

Matrix Spike (2545143-MS1)

Source: E511040-01

Prepared: 11/07/25 Analyzed: 11/07/25

Chloride 1310 20.0 250 1150 65.2 80-120 M4

Matrix Spike Dup (2545143-MSD1)

Source: E511040-01

Prepared: 11/07/25 Analyzed: 11/07/25

Chloride 1340 20.0 250 1150 75.2 80-120 1.89 20 M4

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan CTB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 11/11/25 08:38
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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.



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 Name: John Callahan CTB				Address: 3122 National Parks Hwy				E511018		23003-0002					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	PCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
11:11	11/3/2025	Soil	1	SS02 - 0'		1								X		0.7				
11:52	11/3/2025	Soil	1	SS02 - 1'		2								X		0.6				
11:13	11/3/2025	Soil	1	SS03 - 0'		3								X		0.5				
11:54	11/3/2025	Soil	1	SS03 - 1'		4								X		0.4				
11:15	11/3/2025	Soil	1	SS04 - 0'		5								X		2.6				
11:56	11/3/2025	Soil	1	SS04 - 1'		6								X		1.1				
11:16	11/3/2025	Soil	1	SS05 - 0'		7								X		0.2				
12:49	11/3/2025	Soil	1	SS05 - 1'		8								X		1.4				
11:18	11/3/2025	Soil	1	SS06 - 0'		9								X		1.1				
12:01	11/3/2025	Soil	1	SS06 - 1'		10								X		1.0				

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

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

Sampled by: Israel Estrella

Relinquished by: (Signature) <i>[Signature]</i>	Date 11/4/25	Time 7:11	Received by: (Signature) <i>Michelle Gonzales</i>	Date 11-4-25	Time 0711	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.
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 11-4-25	Time 1445	Received by: (Signature) <i>Marissa Gonzales</i>	Date 11-4-25	Time 1445	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 11-4-25	Time 1825	Received by: (Signature) <i>Noe Sob</i>	Date 11-4-25	Time 1825	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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.

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 Name: John Callahan CTB			Address: 3122 National Parks Hwy			E511018		23003-0002					X	X			
Project Manager: Ashley Giovengo			City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy			Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220			Email: agiovengo@ensolum.com														
Phone: 575-988-0055			Miscellaneous:														
Email: agiovengo@ensolum.com																	

Sample Information							Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA			
																Compliance	Y	or	N		
																PWSID #					
																Sample Temp			Remarks		
11:20	11/3/2025	Soil	1	SS12 - 0'		11										X				6.1	
12:03	11/3/2025	Soil	1	SS12 - 1'		12										X				0.5	
11:21	11/3/2025	Soil	1	SS13 - 0'		13										X				0.7	
12:05	11/3/2025	Soil	1	SS13 - 1'		14										X				0.2	
11:23	11/3/2025	Soil	1	SS15 - 0'		15										X				0.8	
11:50	11/3/2025	Soil	1	SS15 - 1'		16										X				1.2	

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: Israel Estrella

Relinquished by: (Signature) <i>Israel Estrella</i>	Date 11/4/25	Time 7:11	Received by: (Signature) <i>Michelle Gonzales</i>	Date 11-4-25	Time 0711	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.
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 11-4-25	Time 1445	Received by: (Signature) <i>Marissa Gonzales</i>	Date 11-4-25	Time 1445	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 11-4-25	Time 1825	Received by: (Signature) <i>Noe Seto</i>	Date 11-4-25	Time 1825	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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: 11/5/2025 8:06:03AM

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: 11/04/25 18:25	Work Order ID: E511018
Phone: (972) 371-5200	Date Logged In: 11/04/25 16:04	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 11/11/25 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
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan TB

Work Order: E512183

Job Number: 23003-0002

Received: 12/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/30/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 12/30/25

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

Project Name: John Callahan TB
Workorder: E512183
Date Received: 12/19/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/19/2025 7:00:00AM, under the Project Name: John Callahan TB.

The analytical test results summarized in this report with the Project Name: John Callahan TB 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 regarding 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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Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/25 07:35
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS21-0.5'	E512183-01A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS22-0.5'	E512183-02A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS23-0.5'	E512183-03A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS24-0.5'	E512183-04A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS25-0.5'	E512183-05A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS08-0.5'	E512183-06A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS09-0.5'	E512183-07A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS10-0.5'	E512183-08A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS11-0.5'	E512183-09A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS12-0.5'	E512183-10A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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FS21-0.5'

E512183-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2551130
Benzene	ND	0.0250	1	12/19/25	12/21/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/21/25	
Toluene	ND	0.0250	1	12/19/25	12/21/25	
o-Xylene	ND	0.0250	1	12/19/25	12/21/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/21/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2551130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/22/25	
<i>Surrogate: n-Nonane</i>		98.0 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: TP		Batch: 2552031
Chloride	2180	40.0	2	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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FS22-0.5'

E512183-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Benzene	ND	0.0250	1	12/19/25	12/21/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/21/25	
Toluene	ND	0.0250	1	12/19/25	12/21/25	
o-Xylene	ND	0.0250	1	12/19/25	12/21/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/21/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		114 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/22/25	
<i>Surrogate: n-Nonane</i>						
		95.7 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	1960	40.0	2	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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FS23-0.5'

E512183-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Benzene	ND	0.0250	1	12/19/25	12/21/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/21/25	
Toluene	ND	0.0250	1	12/19/25	12/21/25	
o-Xylene	ND	0.0250	1	12/19/25	12/21/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/21/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.2 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/22/25	
<i>Surrogate: n-Nonane</i>						
		96.1 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	2050	40.0	2	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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FS24-0.5'

E512183-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Benzene	ND	0.0250	1	12/19/25	12/21/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/21/25	
Toluene	ND	0.0250	1	12/19/25	12/21/25	
o-Xylene	ND	0.0250	1	12/19/25	12/21/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/21/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/22/25	
<i>Surrogate: n-Nonane</i>						
		97.4 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	3110	40.0	2	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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FS25-0.5'

E512183-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Benzene	ND	0.0250	1	12/19/25	12/21/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/21/25	
Toluene	ND	0.0250	1	12/19/25	12/21/25	
o-Xylene	0.0652	0.0250	1	12/19/25	12/21/25	
p,m-Xylene	0.0803	0.0500	1	12/19/25	12/21/25	
Total Xylenes	0.146	0.0250	1	12/19/25	12/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.2 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/22/25	
<i>Surrogate: n-Nonane</i>						
		99.5 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	168	20.0	1	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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FS08-0.5'

E512183-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Benzene	ND	0.0250	1	12/19/25	12/21/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/21/25	
Toluene	ND	0.0250	1	12/19/25	12/21/25	
o-Xylene	ND	0.0250	1	12/19/25	12/21/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/21/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.0 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/22/25	
<i>Surrogate: n-Nonane</i>						
		95.9 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	1750	20.0	1	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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FS09-0.5'

E512183-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Benzene	ND	0.0250	1	12/19/25	12/21/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/21/25	
Toluene	ND	0.0250	1	12/19/25	12/21/25	
o-Xylene	ND	0.0250	1	12/19/25	12/21/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/21/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/22/25	
<i>Surrogate: n-Nonane</i>						
		97.3 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	1910	20.0	1	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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FS10-0.5'

E512183-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Benzene	ND	0.0250	1	12/19/25	12/21/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/21/25	
Toluene	ND	0.0250	1	12/19/25	12/21/25	
o-Xylene	ND	0.0250	1	12/19/25	12/21/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/21/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.5 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	25.0	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/22/25	
<i>Surrogate: n-Nonane</i>						
		100 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	1010	20.0	1	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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FS11-0.5'

E512183-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Benzene	ND	0.0250	1	12/19/25	12/21/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/21/25	
Toluene	ND	0.0250	1	12/19/25	12/21/25	
o-Xylene	ND	0.0250	1	12/19/25	12/21/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/21/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.4 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/22/25	
<i>Surrogate: n-Nonane</i>						
		99.6 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	2110	20.0	1	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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FS12-0.5'

E512183-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Benzene	ND	0.0250	1	12/19/25	12/21/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/21/25	
Toluene	ND	0.0250	1	12/19/25	12/21/25	
o-Xylene	ND	0.0250	1	12/19/25	12/21/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/21/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551130
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.4 %	70-130	12/19/25	12/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	57.4	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/22/25	
<i>Surrogate: n-Nonane</i>						
		97.8 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	2590	40.0	2	12/22/25	12/23/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2551130-BLK1)

Prepared: 12/19/25 Analyzed: 12/20/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

LCS (2551130-BS1)

Prepared: 12/19/25 Analyzed: 12/20/25

Benzene	5.82	0.0250	5.00		116	70-130			
Ethylbenzene	5.59	0.0250	5.00		112	70-130			
Toluene	5.72	0.0250	5.00		114	70-130			
o-Xylene	5.62	0.0250	5.00		112	70-130			
p,m-Xylene	11.4	0.0500	10.0		114	70-130			
Total Xylenes	17.0	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.32		8.00		104	70-130			

Matrix Spike (2551130-MS1)

Source: E512182-06

Prepared: 12/19/25 Analyzed: 12/20/25

Benzene	5.73	0.0250	5.00	ND	115	70-130			
Ethylbenzene	5.49	0.0250	5.00	ND	110	70-130			
Toluene	5.63	0.0250	5.00	ND	113	70-130			
o-Xylene	5.50	0.0250	5.00	ND	110	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.7	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			

Matrix Spike Dup (2551130-MSD1)

Source: E512182-06

Prepared: 12/19/25 Analyzed: 12/20/25

Benzene	5.69	0.0250	5.00	ND	114	70-130	0.790	27	
Ethylbenzene	5.44	0.0250	5.00	ND	109	70-130	0.941	26	
Toluene	5.58	0.0250	5.00	ND	112	70-130	0.945	20	
o-Xylene	5.47	0.0250	5.00	ND	109	70-130	0.546	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	1.00	23	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	0.850	26	
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2551130-BLK1)

Prepared: 12/19/25 Analyzed: 12/20/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			

LCS (2551130-BS2)

Prepared: 12/19/25 Analyzed: 12/20/25

Gasoline Range Organics (C6-C10)	63.4	20.0	50.0		127	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

Matrix Spike (2551130-MS2)

Source: E512182-06

Prepared: 12/19/25 Analyzed: 12/20/25

Gasoline Range Organics (C6-C10)	60.9	20.0	50.0	ND	122	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2551130-MSD2)

Source: E512182-06

Prepared: 12/19/25 Analyzed: 12/20/25

Gasoline Range Organics (C6-C10)	59.3	20.0	50.0	ND	119	70-130	2.70	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552017-BLK1)

Prepared: 12/22/25 Analyzed: 12/22/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.8	61-141			

LCS (2552017-BS1)

Prepared: 12/22/25 Analyzed: 12/22/25

Diesel Range Organics (C10-C28)	248	25.0	250		99.3	66-144			
Surrogate: n-Nonane	47.4		50.0		94.9	61-141			

Matrix Spike (2552017-MS1)

Source: E512183-06

Prepared: 12/22/25 Analyzed: 12/22/25

Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	47.2		50.0		94.5	61-141			

Matrix Spike Dup (2552017-MSD1)

Source: E512183-06

Prepared: 12/22/25 Analyzed: 12/22/25

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156	2.32	20	
Surrogate: n-Nonane	48.2		50.0		96.3	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 7:35:12AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552031-BLK1)

Prepared: 12/22/25 Analyzed: 12/22/25

Chloride ND 20.0

LCS (2552031-BS1)

Prepared: 12/22/25 Analyzed: 12/23/25

Chloride 252 20.0 250 101 90-110

Matrix Spike (2552031-MS1)

Source: E512183-07

Prepared: 12/22/25 Analyzed: 12/23/25

Chloride 1710 20.0 250 1910 NR 80-120 M4

Matrix Spike Dup (2552031-MSD1)

Source: E512183-07

Prepared: 12/22/25 Analyzed: 12/23/25

Chloride 2070 20.0 250 1910 65.8 80-120 19.2 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/25 07:35
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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.



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador				Company: Ensolum LLC				Lab WO# E012183		Job Number 23013-002		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: John Callahan TB				Address: 3122 National Parks Hwy												X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TEEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	PWSID #	Sample Temp	Remarks
1018	12/17/2025	S	1	FS21-0.5'		1							X							2.0	
1019	12/17/2025	S	1	FS22-0.5'		2							X							1.8	
1020	12/17/2025	S	1	FS23-0.5'		3							X							1.6	
1021	12/17/2025	S	1	FS24-0.5'		4							X							1.4	
1022	12/17/2025	S	1	FS25-0.5'		5							X							1.8	
1245	12/17/2025	S	1	FS08-0.5'		6							X							1.8	
1247	12/17/2025	S	1	FS09-0.5'		7							X							2.1	
1248	12/17/2025	S	1	FS10-0.5'		8							X							2.0	
1249	12/17/2025	S	1	FS11-0.5'		9							X							2.0	
1250	12/17/2025	S	1	FS12-0.5'		10							X							1.4	

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						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: <input checked="" type="radio"/> Y <input type="radio"/> N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>[Signature]</i>	12-18-25	7:11	Michelle Gonzales	12-18-25	0711						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Michelle Gonzales	12-18-25	1445	Mariassa Gonzales	12-18-25	1445						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Mariassa Gonzales	12-18-25	1900	<i>[Signature]</i>	12/18/25	1900						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>[Signature]</i>	12/18/25	22:50	Charlie Man	12-19-25	700						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

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: 12/19/2025 8:19:05AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Matador Resources, LLC.	Date Received: 12/19/25 07:00	Work Order ID: E512183
Phone: (972) 371-5200	Date Logged In: 12/18/25 14:56	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 12/30/25 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
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 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-NV

Client Instruction

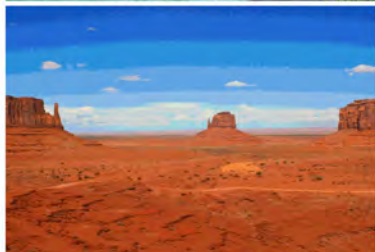
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan TB

Work Order: E512196

Job Number: 23003-0002

Received: 12/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/30/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 12/30/25

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

Project Name: John Callahan TB
Workorder: E512196
Date Received: 12/22/2025 6:30:03AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/22/2025 6:30:03AM, under the Project Name: John Callahan TB.

The analytical test results summarized in this report with the Project Name: John Callahan TB 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 regarding 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
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/25 16:19
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS26-0.5'	E512196-01A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS27-0.5'	E512196-02A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS28-0.5'	E512196-03A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS29-0.5'	E512196-04A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS30-0.5'	E512196-05A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS31-0.5'	E512196-06A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS32-0.5'	E512196-07A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS33-0.5'	E512196-08A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS34-0.5'	E512196-09A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS35-0.5'	E512196-10A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS36-0.5'	E512196-11A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS37-0.5'	E512196-12A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS38-0.5'	E512196-13A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS39-0.5'	E512196-14A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS40-0.5'	E512196-15A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS41-0.5'	E512196-16A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS42-0.5'	E512196-17A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS43-0.5'	E512196-18A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS44-0.5'	E512196-19A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS45-0.5'	E512196-20A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS46-0.5'	E512196-21A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS47-0.5'	E512196-22A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS48-0.5'	E512196-23A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.
FS49-0.5'	E512196-24A	Soil	12/18/25	12/22/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS26-0.5'

E512196-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.2 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	279	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS27-0.5'

E512196-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		111 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	1920	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS28-0.5'

E512196-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.2 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		111 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	92.5	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS29-0.5'

E512196-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.4 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	96.7	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS30-0.5'

E512196-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.0 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		111 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	1430	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS31-0.5'

E512196-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.2 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		111 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	1690	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS32-0.5'

E512196-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		111 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	1890	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS33-0.5'

E512196-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.9 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		111 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	106	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS34-0.5'

E512196-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.8 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		110 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	1780	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS35-0.5'

E512196-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.3 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		111 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	89.9	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS36-0.5'

E512196-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.3 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	64.4	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS37-0.5'

E512196-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.7 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	22.6	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS38-0.5'

E512196-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.0 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		110 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	ND	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS39-0.5'

E512196-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.3 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		111 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	ND	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS40-0.5'

E512196-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		111 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	ND	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS41-0.5'

E512196-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.2 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		110 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	26.0	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS42-0.5'

E512196-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.6 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		111 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	25.6	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS43-0.5'

E512196-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.5 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		110 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	86.8	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS44-0.5'

E512196-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.9 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	21.9	20.0	1	12/23/25	12/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS45-0.5'

E512196-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.5 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552009
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552026
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552047
Chloride	85.8	20.0	1	12/23/25	12/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS46-0.5'

E512196-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552003
Benzene	ND	0.0250	1	12/22/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/22/25	
Toluene	ND	0.0250	1	12/22/25	12/22/25	
o-Xylene	ND	0.0250	1	12/22/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.4 %	70-130	12/22/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552003
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	12/22/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		93.9 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552040
Chloride	255	20.0	1	12/23/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS47-0.5'

E512196-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552003
Benzene	ND	0.0250	1	12/22/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/22/25	
Toluene	ND	0.0250	1	12/22/25	12/22/25	
o-Xylene	ND	0.0250	1	12/22/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.0 %	70-130	12/22/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552003
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	12/22/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		95.6 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552040
Chloride	337	20.0	1	12/23/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS48-0.5'

E512196-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552003
Benzene	ND	0.0250	1	12/22/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/22/25	
Toluene	ND	0.0250	1	12/22/25	12/22/25	
o-Xylene	ND	0.0250	1	12/22/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.0 %	70-130	12/22/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552003
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	12/22/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		95.2 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552040
Chloride	77.8	20.0	1	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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FS49-0.5'

E512196-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552003
Benzene	ND	0.0250	1	12/22/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/22/25	
Toluene	ND	0.0250	1	12/22/25	12/22/25	
o-Xylene	ND	0.0250	1	12/22/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.2 %	70-130	12/22/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2552003
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	12/22/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552017
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		94.1 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552040
Chloride	ND	20.0	1	12/23/25	12/24/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552003-BLK1)

Prepared: 12/22/25 Analyzed: 12/22/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			

LCS (2552003-BS1)

Prepared: 12/22/25 Analyzed: 12/22/25

Benzene	4.82	0.0250	5.00		96.4	70-130			
Ethylbenzene	4.55	0.0250	5.00		91.1	70-130			
Toluene	4.74	0.0250	5.00		94.8	70-130			
o-Xylene	4.60	0.0250	5.00		92.1	70-130			
p,m-Xylene	9.32	0.0500	10.0		93.2	70-130			
Total Xylenes	13.9	0.0250	15.0		92.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130			

Matrix Spike (2552003-MS1)

Source: E512193-04

Prepared: 12/22/25 Analyzed: 12/22/25

Benzene	4.86	0.0250	5.00	ND	97.1	70-130			
Ethylbenzene	4.60	0.0250	5.00	ND	91.9	70-130			
Toluene	4.79	0.0250	5.00	ND	95.7	70-130			
o-Xylene	4.67	0.0250	5.00	ND	93.3	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	93.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.8	70-130			

Matrix Spike Dup (2552003-MSD1)

Source: E512193-04

Prepared: 12/22/25 Analyzed: 12/22/25

Benzene	5.10	0.0250	5.00	ND	102	70-130	4.89	27	
Ethylbenzene	4.84	0.0250	5.00	ND	96.7	70-130	5.05	26	
Toluene	5.03	0.0250	5.00	ND	101	70-130	4.93	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	70-130	4.66	25	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	70-130	4.89	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	4.81	26	
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552009-BLK1)

Prepared: 12/22/25 Analyzed: 12/23/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130			

LCS (2552009-BS1)

Prepared: 12/22/25 Analyzed: 12/23/25

Benzene	4.45	0.0250	5.00		89.0	70-130			
Ethylbenzene	4.20	0.0250	5.00		84.1	70-130			
Toluene	4.38	0.0250	5.00		87.7	70-130			
o-Xylene	4.25	0.0250	5.00		85.1	70-130			
p,m-Xylene	8.61	0.0500	10.0		86.1	70-130			
Total Xylenes	12.9	0.0250	15.0		85.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.4	70-130			

Matrix Spike (2552009-MS1)

Source: E512196-11

Prepared: 12/22/25 Analyzed: 12/23/25

Benzene	4.78	0.0250	5.00	ND	95.5	70-130			
Ethylbenzene	4.51	0.0250	5.00	ND	90.3	70-130			
Toluene	4.70	0.0250	5.00	ND	94.1	70-130			
o-Xylene	4.56	0.0250	5.00	ND	91.3	70-130			
p,m-Xylene	9.24	0.0500	10.0	ND	92.4	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	92.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.8	70-130			

Matrix Spike Dup (2552009-MSD1)

Source: E512196-11

Prepared: 12/22/25 Analyzed: 12/23/25

Benzene	4.93	0.0250	5.00	ND	98.6	70-130	3.21	27	
Ethylbenzene	4.66	0.0250	5.00	ND	93.2	70-130	3.16	26	
Toluene	4.86	0.0250	5.00	ND	97.2	70-130	3.28	20	
o-Xylene	4.70	0.0250	5.00	ND	94.0	70-130	2.97	25	
p,m-Xylene	9.53	0.0500	10.0	ND	95.3	70-130	3.06	23	
Total Xylenes	14.2	0.0250	15.0	ND	94.9	70-130	3.03	26	
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552003-BLK1)

Prepared: 12/22/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.91		8.00		111	70-130			

LCS (2552003-BS2)

Prepared: 12/22/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.26		8.00		116	70-130			

Matrix Spike (2552003-MS2)

Source: E512193-04

Prepared: 12/22/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.96		8.00		112	70-130			

Matrix Spike Dup (2552003-MSD2)

Source: E512193-04

Prepared: 12/22/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130	1.67	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.86		8.00		111	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552009-BLK1)

Prepared: 12/22/25 Analyzed: 12/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.43		8.00		105	70-130			

LCS (2552009-BS2)

Prepared: 12/22/25 Analyzed: 12/23/25

Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		87.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.63		8.00		108	70-130			

Matrix Spike (2552009-MS2)

Source: E512196-11

Prepared: 12/22/25 Analyzed: 12/23/25

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.86		8.00		111	70-130			

Matrix Spike Dup (2552009-MSD2)

Source: E512196-11

Prepared: 12/22/25 Analyzed: 12/23/25

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.3	70-130	2.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.94		8.00		112	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552017-BLK1)

Prepared: 12/22/25 Analyzed: 12/22/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	45.9		50.0		91.8	61-141			

LCS (2552017-BS1)

Prepared: 12/22/25 Analyzed: 12/22/25

Diesel Range Organics (C10-C28)	248	25.0	250		99.3	66-144			
Surrogate: <i>n</i> -Nonane	47.4		50.0		94.9	61-141			

Matrix Spike (2552017-MS1)

Source: E512183-06

Prepared: 12/22/25 Analyzed: 12/22/25

Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	56-156			
Surrogate: <i>n</i> -Nonane	47.2		50.0		94.5	61-141			

Matrix Spike Dup (2552017-MSD1)

Source: E512183-06

Prepared: 12/22/25 Analyzed: 12/22/25

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156	2.32	20	
Surrogate: <i>n</i> -Nonane	48.2		50.0		96.3	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552026-BLK1)

Prepared: 12/22/25 Analyzed: 12/23/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.3		50.0		103	61-141			

LCS (2552026-BS1)

Prepared: 12/22/25 Analyzed: 12/23/25

Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	51.9		50.0		104	61-141			

Matrix Spike (2552026-MS1)

Source: E512196-07

Prepared: 12/22/25 Analyzed: 12/23/25

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	52.9		50.0		106	61-141			

Matrix Spike Dup (2552026-MSD1)

Source: E512196-07

Prepared: 12/22/25 Analyzed: 12/23/25

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	56-156	1.37	20	
Surrogate: n-Nonane	52.0		50.0		104	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2552040-BLK1)

Prepared: 12/23/25 Analyzed: 12/23/25

Chloride	ND	20.0							
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LCS (2552040-BS1)

Prepared: 12/23/25 Analyzed: 12/23/25

Chloride	258	20.0	250		103	90-110			
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Matrix Spike (2552040-MS1)

Source: E512185-03

Prepared: 12/23/25 Analyzed: 12/23/25

Chloride	409	20.0	250	153	103	80-120			
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Matrix Spike Dup (2552040-MSD1)

Source: E512185-03

Prepared: 12/23/25 Analyzed: 12/23/25

Chloride	426	20.0	250	153	109	80-120	3.98	20	
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QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 4:19:25PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2552047-BLK1)

Prepared: 12/23/25 Analyzed: 12/24/25

Chloride ND 20.0

LCS (2552047-BS1)

Prepared: 12/23/25 Analyzed: 12/24/25

Chloride 259 20.0 250 104 90-110

Matrix Spike (2552047-MS1)

Source: E512196-14

Prepared: 12/23/25 Analyzed: 12/24/25

Chloride 261 20.0 250 ND 105 80-120

Matrix Spike Dup (2552047-MSD1)

Source: E512196-14

Prepared: 12/23/25 Analyzed: 12/24/25

Chloride 261 20.0 250 ND 104 80-120 0.182 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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/25 16:19
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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.



Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: John Callahan TB				Address: 3122 National Parks Hwy				E 212196		23003-0002					X	X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information										Analysis and Method				EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCFQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1038	12/18/2025	S	1	FS 26 - 0.5'				1							X					5.2
1040	12/18/2025	S	1	FS 27 - 0.5'				2							X					3.3
1042	12/18/2025	S	1	FS 28 - 0.5'				3							X					3.0
1046	12/18/2025	S	1	FS 29 - 0.5'				4							X					4.9
1043	12/18/2025	S	1	FS 30 - 0.5'				5							X					5.4
1045	12/18/2025	S	1	FS 31 - 0.5'				6							X					4.7
1050	12/18/2025	S	1	FS 32 - 0.5'				7							X					5.7
1047	12/18/2025	S	1	FS 33 - 0.5'				8							X					5.1
1051	12/18/2025	S	1	FS 34 - 0.5'				9							X					4.9
1137	12/18/2025	S	1	FS 36 - 0.5'				10							X					4.6
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Higinio Gonzalez																				
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.								
Michelle Gonzalez		12-19-25		7:11		Michelle Gonzalez		12-19-25		0711										
Michelle Gonzalez		12-19-25		1415		Nathan Gonzalez		12-19-25		1415										
Nathan Gonzalez		12-19-25		2300		Noe Soto		12-22-25		0630										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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.																				

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: John Callahan TB				Address: 3122 National Parks Hwy				E51219U		23003-0002					x	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information										Analysis and Method				EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Flt	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
1143	12/18/2025	S	1	FS36 - 0.5'			11							X		5.1			
1141	12/18/2025	S	1	FS37 - 0.5'			12							X		5.3			
1133	12/18/2025	S	1	FS38 - 0.5'			13							X		5.0			
1134	12/18/2025	S	1	FS39 - 0.5'			14							X		5.5			
1136	12/18/2025	S	1	FS40 - 0.5'			15							X		5.2			
1144	12/18/2025	S	1	FS41 - 0.5'			16							X		5.8			
1145	12/18/2025	S	1	FS42 - 0.5'			17							X		5.0			
1150	12/18/2025	S	1	FS43 - 0.5'			18							X		5.1			
1152	12/18/2025	S	1	FS44 - 0.5'			19							X		5.0			
1153	12/18/2025	S	1	FS45 - 0.5'			20							X		5.3			
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	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.											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> 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.																			

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: John Callahan TB				Address: 3122 National Parks Hwy				E512196		25603-0002					x	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCDA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
1154	12/18/2025	S	1	FS46 - 0.5'			21							X		5.3				
1241	12/18/2025	S	1	FS47 - 0.5'			22							X		5.2				
1240	12/18/2025	S	1	FS48 - 0.5'			23							X		5.6				
1245	12/18/2025	S	1	FS49 - 0.5'			24							X		5.4				
	12/18/2025	S	1											X						
	12/18/2025	S	1											X						
	12/18/2025	S	1											X						
	12/18/2025	S	1											X						
	12/18/2025	S	1											X						
	12/18/2025	S	1											X						

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										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: <input checked="" type="radio"/> Y <input type="radio"/> N									
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>[Signature]</i>	12-19-25	7:11	Michelle Gonzales	12-19-25	0711														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>Michelle Gonzales</i>	12-19-25	1415	Nathan Gonzalez	12-19-25	1415														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
<i>Nathan Gonzalez</i>	12-19-25	2300	Noe Soto	12-22-25	0630														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														

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: 12/22/2025 9:23:09AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Matador Resources, LLC. Date Received: 12/22/25 06:30 Work Order ID: E512196
Phone: (972) 371-5200 Date Logged In: 12/19/25 16:08 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 12/31/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 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

Empty box for client instruction.

Comments/Resolution

Comments/Resolution box containing L-NS and R-NV.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan TB

Work Order: E512198

Job Number: 23003-0002

Received: 12/22/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/31/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 12/31/25

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



Project Name: John Callahan TB
Workorder: E512198
Date Received: 12/22/2025 6:30:03AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/22/2025 6:30:03AM, under the Project Name: John Callahan TB.

The analytical test results summarized in this report with the Project Name: John Callahan TB 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/25 10:49
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 - 0.5'	E512198-01A	Soil	12/19/25	12/22/25	Glass Jar, 2 oz.
FS02 - 0.5'	E512198-02A	Soil	12/19/25	12/22/25	Glass Jar, 2 oz.
FS04 - 0.5'	E512198-03A	Soil	12/19/25	12/22/25	Glass Jar, 2 oz.
FS05 - 0.5'	E512198-04A	Soil	12/19/25	12/22/25	Glass Jar, 2 oz.
FS06 - 0.5'	E512198-05A	Soil	12/19/25	12/22/25	Glass Jar, 2 oz.
FS07 - 0.5'	E512198-06A	Soil	12/19/25	12/22/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/2025 10:49:32AM
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FS01 - 0.5'

E512198-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2552021
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.4 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2552021
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.3 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2552037
Diesel Range Organics (C10-C28)	25.5	25.0	1	12/23/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		88.0 %	61-141	12/23/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552053
Chloride	4470	40.0	2	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/2025 10:49:32AM
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FS02 - 0.5'

E512198-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2552021	
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.3 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2552021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2552037	
Diesel Range Organics (C10-C28)	31.0	25.0	1	12/23/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/25	12/23/25	
<i>Surrogate: n-Nonane</i>		87.4 %	61-141	12/23/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2552053	
Chloride	5920	100	5	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/2025 10:49:32AM
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FS04 - 0.5'

E512198-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2552021
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.9 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2552021
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552037
Diesel Range Organics (C10-C28)	128	25.0	1	12/23/25	12/23/25	
Oil Range Organics (C28-C36)	55.7	50.0	1	12/23/25	12/23/25	
<i>Surrogate: n-Nonane</i>		88.0 %	61-141	12/23/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2552053
Chloride	7590	100	5	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/2025 10:49:32AM
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FS05 - 0.5'

E512198-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2552021
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.2 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2552021
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552037
Diesel Range Organics (C10-C28)	81.5	25.0	1	12/23/25	12/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/25	12/23/25	
<i>Surrogate: n-Nonane</i>		87.7 %	61-141	12/23/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2552053
Chloride	6970	100	5	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/2025 10:49:32AM
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FS06 - 0.5'

E512198-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2552021
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.5 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2552021
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.0 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2552037
Diesel Range Organics (C10-C28)	135	25.0	1	12/23/25	12/23/25	
Oil Range Organics (C28-C36)	58.3	50.0	1	12/23/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		88.3 %	61-141	12/23/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552053
Chloride	7550	100	5	12/23/25	12/24/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/2025 10:49:32AM
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FS07 - 0.5'

E512198-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2552021
Benzene	ND	0.0250	1	12/22/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/22/25	12/23/25	
Toluene	ND	0.0250	1	12/22/25	12/23/25	
o-Xylene	ND	0.0250	1	12/22/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/22/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/22/25	12/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.5 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2552021
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/25	12/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.6 %	70-130	12/22/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2552037
Diesel Range Organics (C10-C28)	158	25.0	1	12/23/25	12/23/25	
Oil Range Organics (C28-C36)	79.8	50.0	1	12/23/25	12/23/25	
<i>Surrogate: n-Nonane</i>						
		88.7 %	61-141	12/23/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552053
Chloride	7790	100	5	12/23/25	12/24/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/2025 10:49:32AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552021-BLK1)

Prepared: 12/22/25 Analyzed: 12/23/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.3	70-130			

LCS (2552021-BS1)

Prepared: 12/22/25 Analyzed: 12/23/25

Benzene	4.93	0.0250	5.00		98.6	70-130			
Ethylbenzene	4.62	0.0250	5.00		92.4	70-130			
Toluene	4.80	0.0250	5.00		95.9	70-130			
o-Xylene	4.70	0.0250	5.00		94.0	70-130			
p,m-Xylene	9.41	0.0500	10.0		94.1	70-130			
Total Xylenes	14.1	0.0250	15.0		94.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.8	70-130			

Matrix Spike (2552021-MS1)

Source: E512199-02

Prepared: 12/22/25 Analyzed: 12/23/25

Benzene	4.96	0.0250	5.00	ND	99.3	70-130			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	70-130			
Toluene	4.83	0.0250	5.00	ND	96.6	70-130			
o-Xylene	4.71	0.0250	5.00	ND	94.2	70-130			
p,m-Xylene	9.45	0.0500	10.0	ND	94.5	70-130			
Total Xylenes	14.2	0.0250	15.0	ND	94.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.3	70-130			

Matrix Spike Dup (2552021-MSD1)

Source: E512199-02

Prepared: 12/22/25 Analyzed: 12/23/25

Benzene	5.07	0.0250	5.00	ND	101	70-130	2.09	27	
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	70-130	2.58	26	
Toluene	4.94	0.0250	5.00	ND	98.8	70-130	2.25	20	
o-Xylene	4.83	0.0250	5.00	ND	96.6	70-130	2.54	25	
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	70-130	2.51	23	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	70-130	2.52	26	
Surrogate: 4-Bromochlorobenzene-PID	7.17		8.00		89.6	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/2025 10:49:32AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552021-BLK1)

Prepared: 12/22/25 Analyzed: 12/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			

LCS (2552021-BS2)

Prepared: 12/22/25 Analyzed: 12/23/25

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			

Matrix Spike (2552021-MS2)

Source: E512199-02

Prepared: 12/22/25 Analyzed: 12/23/25

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	95.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			

Matrix Spike Dup (2552021-MSD2)

Source: E512199-02

Prepared: 12/22/25 Analyzed: 12/23/25

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.1	70-130	2.99	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/2025 10:49:32AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552037-BLK1)

Prepared: 12/23/25 Analyzed: 12/23/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	42.9		50.0		85.7	61-141			

LCS (2552037-BS1)

Prepared: 12/23/25 Analyzed: 12/23/25

Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: <i>n</i> -Nonane	43.4		50.0		86.8	61-141			

Matrix Spike (2552037-MS1)

Source: E512205-07

Prepared: 12/23/25 Analyzed: 12/23/25

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156			
Surrogate: <i>n</i> -Nonane	44.9		50.0		89.9	61-141			

Matrix Spike Dup (2552037-MSD1)

Source: E512205-07

Prepared: 12/23/25 Analyzed: 12/23/25

Diesel Range Organics (C10-C28)	264	25.0	250	ND	105	56-156	0.607	20	
Surrogate: <i>n</i> -Nonane	44.8		50.0		89.5	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/2025 10:49:32AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2552053-BLK1)

Prepared: 12/23/25 Analyzed: 12/23/25

Chloride	ND	20.0							
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LCS (2552053-BS1)

Prepared: 12/23/25 Analyzed: 12/24/25

Chloride	256	20.0	250		102	90-110			
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Matrix Spike (2552053-MS1)

Source: E512198-05

Prepared: 12/23/25 Analyzed: 12/24/25

Chloride	8030	100	250	7550	192	80-120			M4
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Matrix Spike Dup (2552053-MSD1)

Source: E512198-05

Prepared: 12/23/25 Analyzed: 12/24/25

Chloride	7640	100	250	7550	38.5	80-120	4.91	20	M4
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/31/25 10:49
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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.



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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E512198		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
930	12/19/2025	S	1	FS01 - 0.5'		1								X					
931	12/19/2025	S	1	FS02 - 0.5'		2								X					
933	12/19/2025	S	1	FS04 - 0.5'		3								X					
934	12/19/2025	S	1	FS05 - 0.5'		4								X					
935	12/19/2025	S	1	FS06 - 0.5'		5								X					
936	12/19/2025	S	1	FS07 - 0.5'		6								X					

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@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: <u>Jarad McCauley</u>						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.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N					
<i>Jarad McCauley</i>	12/19/25	7:11	<i>Michelle Gonzalez</i>	12-19-25	0711						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzalez</i>	12-19-25	1415	<i>Nathan Gonzalez</i>	12-19-25	1415						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Nathan Gonzalez</i>	12-19-25	2300	<i>Noe Soto</i>	12-22-23	0630						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

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: 12/22/2025 9:27:59AM

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: 12/22/25 06:30	Work Order ID: E512198
Phone: (972) 371-5200	Date Logged In: 12/22/25 07:38	Logged In By: Noe Soto
Email: agiovengo@ensolum.com	Due Date: 12/31/25 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
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

L-NS
R-NV

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan TB

Work Order: E512219

Job Number: 23003-0002

Received: 12/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/6/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 1/6/26

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

Project Name: John Callahan TB
Workorder: E512219
Date Received: 12/29/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/29/2025 8:00:00AM, under the Project Name: John Callahan TB.

The analytical test results summarized in this report with the Project Name: John Callahan TB 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 regarding 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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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 01/06/26 08:19
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03-0'	E512219-01A	Soil	12/22/25	12/29/25	Glass Jar, 2 oz.
FS13-0'	E512219-02A	Soil	12/22/25	12/29/25	Glass Jar, 2 oz.
FS14-0.5'	E512219-03A	Soil	12/22/25	12/29/25	Glass Jar, 2 oz.
FS15-0.5'	E512219-04A	Soil	12/22/25	12/29/25	Glass Jar, 2 oz.
FS16-0.5'	E512219-05A	Soil	12/22/25	12/29/25	Glass Jar, 2 oz.
FS17-0.5'	E512219-06A	Soil	12/22/25	12/29/25	Glass Jar, 2 oz.
FS18-0.5'	E512219-07A	Soil	12/22/25	12/29/25	Glass Jar, 2 oz.
FS19-0.5'	E512219-08A	Soil	12/22/25	12/29/25	Glass Jar, 2 oz.
FS20-0.5'	E512219-09A	Soil	12/22/25	12/29/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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FS03-0'

E512219-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Benzene	ND	0.0250	1	12/29/25	12/30/25	
Ethylbenzene	ND	0.0250	1	12/29/25	12/30/25	
Toluene	ND	0.0250	1	12/29/25	12/30/25	
o-Xylene	ND	0.0250	1	12/29/25	12/30/25	
p,m-Xylene	ND	0.0500	1	12/29/25	12/30/25	
Total Xylenes	ND	0.0250	1	12/29/25	12/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/25	12/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2553008
Diesel Range Organics (C10-C28)	25.9	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>						
		95.4 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2553011
Chloride	912	20.0	1	12/29/25	12/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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FS13-0'

E512219-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Benzene	ND	0.0250	1	12/29/25	12/30/25	
Ethylbenzene	ND	0.0250	1	12/29/25	12/30/25	
Toluene	ND	0.0250	1	12/29/25	12/30/25	
o-Xylene	ND	0.0250	1	12/29/25	12/30/25	
p,m-Xylene	ND	0.0500	1	12/29/25	12/30/25	
Total Xylenes	ND	0.0250	1	12/29/25	12/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.1 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/25	12/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2553008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>						
		96.3 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2553011
Chloride	3690	40.0	2	12/29/25	12/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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FS14-0.5'

E512219-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Benzene	ND	0.0250	1	12/29/25	12/30/25	
Ethylbenzene	ND	0.0250	1	12/29/25	12/30/25	
Toluene	ND	0.0250	1	12/29/25	12/30/25	
o-Xylene	ND	0.0250	1	12/29/25	12/30/25	
p,m-Xylene	ND	0.0500	1	12/29/25	12/30/25	
Total Xylenes	ND	0.0250	1	12/29/25	12/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.7 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/25	12/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553008
Diesel Range Organics (C10-C28)	30.5	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>		97.3 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2553011
Chloride	642	20.0	1	12/29/25	12/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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FS15-0.5'

E512219-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Benzene	ND	0.0250	1	12/29/25	12/30/25	
Ethylbenzene	ND	0.0250	1	12/29/25	12/30/25	
Toluene	ND	0.0250	1	12/29/25	12/30/25	
o-Xylene	ND	0.0250	1	12/29/25	12/30/25	
p,m-Xylene	ND	0.0500	1	12/29/25	12/30/25	
Total Xylenes	ND	0.0250	1	12/29/25	12/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.8 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/25	12/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2553008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>						
		96.7 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2553011
Chloride	761	20.0	1	12/29/25	12/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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FS16-0.5'

E512219-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Benzene	ND	0.0250	1	12/29/25	12/30/25	
Ethylbenzene	ND	0.0250	1	12/29/25	12/30/25	
Toluene	ND	0.0250	1	12/29/25	12/30/25	
o-Xylene	ND	0.0250	1	12/29/25	12/30/25	
p,m-Xylene	ND	0.0500	1	12/29/25	12/30/25	
Total Xylenes	ND	0.0250	1	12/29/25	12/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/25	12/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>		96.9 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2553011
Chloride	4190	40.0	2	12/29/25	12/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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FS17-0.5'

E512219-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Benzene	ND	0.0250	1	12/29/25	12/30/25	
Ethylbenzene	ND	0.0250	1	12/29/25	12/30/25	
Toluene	ND	0.0250	1	12/29/25	12/30/25	
o-Xylene	ND	0.0250	1	12/29/25	12/30/25	
p,m-Xylene	ND	0.0500	1	12/29/25	12/30/25	
Total Xylenes	ND	0.0250	1	12/29/25	12/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/25	12/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553008
Diesel Range Organics (C10-C28)	28.1	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>		94.0 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2553011
Chloride	614	20.0	1	12/29/25	12/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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FS18-0.5'

E512219-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Benzene	ND	0.0250	1	12/29/25	12/30/25	
Ethylbenzene	ND	0.0250	1	12/29/25	12/30/25	
Toluene	ND	0.0250	1	12/29/25	12/30/25	
o-Xylene	ND	0.0250	1	12/29/25	12/30/25	
p,m-Xylene	ND	0.0500	1	12/29/25	12/30/25	
Total Xylenes	ND	0.0250	1	12/29/25	12/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.7 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/25	12/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.3 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2553008
Diesel Range Organics (C10-C28)	27.1	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>						
		95.4 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2553011
Chloride	659	20.0	1	12/29/25	12/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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FS19-0.5'

E512219-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Benzene	ND	0.0250	1	12/29/25	12/30/25	
Ethylbenzene	ND	0.0250	1	12/29/25	12/30/25	
Toluene	ND	0.0250	1	12/29/25	12/30/25	
o-Xylene	ND	0.0250	1	12/29/25	12/30/25	
p,m-Xylene	ND	0.0500	1	12/29/25	12/30/25	
Total Xylenes	ND	0.0250	1	12/29/25	12/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.4 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/25	12/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2553008
Diesel Range Organics (C10-C28)	25.6	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>						
		97.2 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2553011
Chloride	636	20.0	1	12/29/25	12/29/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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FS20-0.5'

E512219-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Benzene	ND	0.0250	1	12/29/25	12/30/25	
Ethylbenzene	ND	0.0250	1	12/29/25	12/30/25	
Toluene	ND	0.0250	1	12/29/25	12/30/25	
o-Xylene	ND	0.0250	1	12/29/25	12/30/25	
p,m-Xylene	ND	0.0500	1	12/29/25	12/30/25	
Total Xylenes	ND	0.0250	1	12/29/25	12/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.4 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2553010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/29/25	12/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	70-130	12/29/25	12/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2553008
Diesel Range Organics (C10-C28)	38.3	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>						
		97.4 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2553011
Chloride	678	20.0	1	12/29/25	12/29/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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Volatile Organics by EPA 8021B

Analyst: MB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2553010-BLK1)

Prepared: 12/29/25 Analyzed: 12/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

LCS (2553010-BS1)

Prepared: 12/29/25 Analyzed: 12/29/25

Benzene	5.04	0.0250	5.00		101	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130			
Toluene	4.93	0.0250	5.00		98.5	70-130			
o-Xylene	4.88	0.0250	5.00		97.5	70-130			
p,m-Xylene	9.71	0.0500	10.0		97.1	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike (2553010-MS1)

Source: E512218-05

Prepared: 12/29/25 Analyzed: 12/29/25

Benzene	5.60	0.0250	5.00	ND	112	70-130			
Ethylbenzene	5.26	0.0250	5.00	ND	105	70-130			
Toluene	5.47	0.0250	5.00	ND	109	70-130			
o-Xylene	5.39	0.0250	5.00	ND	108	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

Matrix Spike Dup (2553010-MSD1)

Source: E512218-05

Prepared: 12/29/25 Analyzed: 12/29/25

Benzene	5.43	0.0250	5.00	ND	109	70-130	2.97	27	
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130	2.30	26	
Toluene	5.32	0.0250	5.00	ND	106	70-130	2.79	20	
o-Xylene	5.25	0.0250	5.00	ND	105	70-130	2.69	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	2.18	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	2.35	26	
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.2	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2553010-BLK1)

Prepared: 12/29/25 Analyzed: 12/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.91		8.00		86.4	70-130			

LCS (2553010-BS2)

Prepared: 12/29/25 Analyzed: 12/29/25

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

Matrix Spike (2553010-MS2)

Source: E512218-05

Prepared: 12/29/25 Analyzed: 12/29/25

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			

Matrix Spike Dup (2553010-MSD2)

Source: E512218-05

Prepared: 12/29/25 Analyzed: 12/29/25

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130	0.730	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2553008-BLK1)

Prepared: 12/29/25 Analyzed: 12/29/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.2		50.0		92.4	61-141			

LCS (2553008-BS1)

Prepared: 12/29/25 Analyzed: 12/29/25

Diesel Range Organics (C10-C28)	256	25.0	250		102	66-144			
Surrogate: <i>n</i> -Nonane	47.8		50.0		95.6	61-141			

Matrix Spike (2553008-MS1)

Source: E512215-03

Prepared: 12/29/25 Analyzed: 12/29/25

Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: <i>n</i> -Nonane	49.2		50.0		98.3	61-141			

Matrix Spike Dup (2553008-MSD1)

Source: E512215-03

Prepared: 12/29/25 Analyzed: 12/29/25

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	56-156	3.27	20	
Surrogate: <i>n</i> -Nonane	50.9		50.0		102	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/6/2026 8:19:42AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2553011-BLK1)

Prepared: 12/29/25 Analyzed: 12/29/25

Chloride	ND	20.0							
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LCS (2553011-BS1)

Prepared: 12/29/25 Analyzed: 12/29/25

Chloride	259	20.0	250		103	90-110			
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Matrix Spike (2553011-MS1)

Source: E512215-03

Prepared: 12/29/25 Analyzed: 12/29/25

Chloride	275	20.0	250	ND	110	80-120			
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Matrix Spike Dup (2553011-MSD1)

Source: E512215-03

Prepared: 12/29/25 Analyzed: 12/29/25

Chloride	276	20.0	250	ND	110	80-120	0.234	20	
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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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 01/06/26 08:19
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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





Chain of Custody

Client Information				Invoice Information				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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E512219		2303-002					X	X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information										Analysis and Method				EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1110	12/22/2025	S	1	FS03 - 0'			1								X					
1112	12/22/2025	S	1	FS13 - 0'			2								X					
1250 52	12/22/2025	S	1	FS14 - 0.5'			3								X					
1116	12/22/2025	S	1	FS15 - 0.5'			4								X					
1118	12/22/2025	S	1	FS16 - 0.5'			5								X					
1252 20	12/22/2025	S	1	FS17 - 0.5'			6								X					
1122	12/22/2025	S	1	FS18 - 0.5'			7								X					
1124	12/22/2025	S	1	FS19 - 0.5'			8								X					
1126	12/22/2025	S	1	FS20 - 0.5'			9								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalezz@ensolum.com, ihinkle@ensolum.com, eplugge@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: Jarad McCauley																				
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.								
<i>Jarad McCauley</i>		12/23/25		7:11		<i>Michelle Gonzales</i>		12-23-25		0711										
<i>Michelle Gonzales</i>		12-23-25		1715		<i>Marissa Gonzales</i>		12-23-25		1715										
<i>Marissa Gonzales</i>		12-23-25		0130		<i>Curtis Man</i>		12-29-25		800										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> 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.																				

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 Name: John Callahan TB				Address: 3122 National Parks Hwy				E512219		2303-002					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/PRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEQ 1005 - TX	RCRA 6 Metals	BDOC - NM	BDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #	Sample Temp	Remarks	
1110	12/22/2025	S	1	FS03 - 0'			1								X										3.8		
1112	12/22/2025	S	1	FS13 - 0'			2								X										4.5		
1250	12/22/2025	S	1	FS14 - 0.5'			3								X										4.4		
1116	12/22/2025	S	1	FS15 - 0.5'			4								X										4.5		
1118	12/22/2025	S	1	FS16 - 0.5'			5								X										4.0		
1252	12/22/2025	S	1	FS17 - 0.5'			6								X										3.9		
1122	12/22/2025	S	1	FS18 - 0.5'			7								X										4.3		
1124	12/22/2025	S	1	FS19 - 0.5'			8								X										4.0		
1126	12/22/2025	S	1	FS20 - 0.5'			9								X										3.9		
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, lestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@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: <u>Jarad McCauley</u>																											
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: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N															
<i>Jarad McCauley</i>		12/23/25		7:11		<i>Michelle Gonzales</i>		12-23-25		0711																	
<i>Michelle Gonzales</i>		12-23-25		1715		<i>Marissa Gonzales</i>		12-23-25		1715																	
<i>Marissa Gonzales</i>		12-23-25		0130		<i>Caitlin Man</i>		12-29-25		800																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
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: 12/29/2025 12:02:13PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Matador Resources, LLC.	Date Received: 12/29/25 08:00	Work Order ID: E512219
Phone: (972) 371-5200	Date Logged In: 12/29/25 08:44	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 01/06/26 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? No
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 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

Comments/Resolution

Sample times on samples 3 and 5 do not match times on COC.
L-CM
R-NV

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

Date



envirotech Inc.



APPENDIX E

NMOCD Correspondence

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 515804

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 515804
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	John Callahan TB
Date Release Discovered	10/15/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 64 BBL Recovered: 1 BBL Lost: 63 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The mounting bolts on SWD Pump #6 broke, causing the pump to vibrate excessively. This vibration led to the failure of the pump housing bolts, resulting in an unexpected release of produce water on to the John Callahan TB pad.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 515804

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 515804
	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.
<i>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.</i>	

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	<i>Not answered.</i>

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.

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

General Information
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

ACKNOWLEDGMENTS

Action 515804

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 515804
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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

Action 515804

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 515804
	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.	10/15/2025

Impacted Soil On-Pad	
Saturated Soil (inches)	
	3
Area (sq. ft.)	
	7043
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
	1
Soil type	
	pad caliche
Spill type	
	produced water
Barrel estimate in soil	
	62.7
Barrel estimate (standing fluids/ recovered+in soil)	
	63.7



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QUESTIONS

Action 515846

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 515846
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528855818
Incident Name	NAPP2528855818 JOHN CALLAHAN TB @ O-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	John Callahan TB
Date Release Discovered	10/15/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 64 BBL Recovered: 1 BBL Lost: 63 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The mounting bolts on SWD Pump #6 broke, causing the pump to vibrate excessively. This vibration led to the failure of the pump housing bolts, resulting in an unexpected release of produce water on to the John Callahan TB pad.

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QUESTIONS, Page 2

Action 515846

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 515846
	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.
<i>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.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 10/15/2025
--	--

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QUESTIONS, Page 3

Action 515846

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 515846
	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
<i>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.</i>	

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CONDITIONS

Action 515846

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 515846
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	10/16/2025

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QUESTIONS

Action 533481

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533481
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528855818
Incident Name	NAPP2528855818 JOHN CALLAHAN TB @ O-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	John Callahan TB
Date Release Discovered	10/15/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	9,754
What is the estimated number of samples that will be gathered	49
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/15/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.19759,-103.37035

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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CONDITIONS

Action 533481

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533481
	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.	12/9/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	12/9/2025

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QUESTIONS

Action 533487

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533487
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528855818
Incident Name	NAPP2528855818 JOHN CALLAHAN TB @ O-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	John Callahan TB
Date Release Discovered	10/15/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	9,754
What is the estimated number of samples that will be gathered	49
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/16/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.19759,-103.37035

Sante Fe Main Office
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State of New Mexico
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Oil Conservation Division
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CONDITIONS

Action 533487

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533487
	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.	12/9/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	12/9/2025

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QUESTIONS

Action 533496

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533496
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528855818
Incident Name	NAPP2528855818 JOHN CALLAHAN TB @ O-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	John Callahan TB
Date Release Discovered	10/15/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	9,754
What is the estimated number of samples that will be gathered	49
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/17/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	(32.19759,-103.37035

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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CONDITIONS

Action 533496

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533496
	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.	12/9/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	12/9/2025

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QUESTIONS

Action 533504

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533504
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528855818
Incident Name	NAPP2528855818 JOHN CALLAHAN TB @ O-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	John Callahan TB
Date Release Discovered	10/15/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	9,754
What is the estimated number of samples that will be gathered	49
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/18/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	(32.19759,-103.37035

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 533504

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533504
	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.	12/9/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	12/9/2025

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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 533506

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533506
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528855818
Incident Name	NAPP2528855818 JOHN CALLAHAN TB @ O-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	John Callahan TB
Date Release Discovered	10/15/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	9,754
What is the estimated number of samples that will be gathered	49
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/19/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Higinio Gonzalez @ (575) 909-3249
Please provide any information necessary for navigation to sampling site	32.19759,-103.37035

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CONDITIONS

Action 533506

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533506
	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.	12/9/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	12/9/2025

From: [Hamlet, Robert, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#)
Subject: (Extension Approval) - Matador Production Company - John Callahan TB - Incident Number nAPP2528855818
Date: Tuesday, January 13, 2026 1:51:24 PM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

[**EXTERNAL EMAIL**]

RE: Incident #**NAPP2528855818 JOHN CALLAHAN TB**

Chad,

A 60-day extension is approved. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **March 13th, 2026**. Include this e-mail correspondence in the report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, January 13, 2026 1:06 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Matador Production Company - John Callahan TB - Incident Number nAPP2528855818

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Tuesday, January 13, 2026 12:41 PM
To: 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 - John Callahan TB - Incident Number nAPP2528855818

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

Greetings,

Matador Production Company (Matador) is requesting an extension of the current deadline of January 13, 2026, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the John Callahan TB (Site) (Incident Number nAPP2528855818). The release occurred on October 15, 2025, and approximately 64 barrels (bbls) of produced water were released onto the pad surface; 1 bbl of produced water was recovered. Ensolum personnel have completed lateral and vertical delineation soil sampling within and around the release extent via hand auger. Ensolum personnel collected discrete delineation soil samples from boreholes (BH01 through BH10) at depths ranging from ground surface to 2 feet below ground surface (bgs). Beginning on December 15, 2025, Ensolum personnel were onsite to oversee excavation of impacted and waste containing soil; excavation and confirmation soil sampling activities were completed on December 22, 2025. A soil boring was advanced on January 7, 2026, via air rotary rig to determine the depth to groundwater at the Site. The soil boring was left open for at least 72-hours to allow to equilibrate and was measured on January 12, 2026. Matador intends to submit a remediation work plan or closure report upon receiving the final WR-20 (Well Record and Log) from the depth to water determination. Matador respectfully requests a 60-day extension until March 13, 2026. Please let me know if you have any further questions regarding this site.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

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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 560839

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 560839
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528855818
Incident Name	NAPP2528855818 JOHN CALLAHAN TB @ O-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	JOHN CALLAHAN TB
Date Release Discovered	10/15/2025
Surface Owner	Federal

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

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 64 BBL Recovered: 1 BBL Lost: 63 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The mounting bolts on SWD Pump #6 broke, causing the pump to vibrate excessively. This vibration led to the failure of the pump housing bolts, resulting in an unexpected release of produce water on to the John Callahan TB pad.

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QUESTIONS, Page 2

Action 560839

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 560839
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 03/09/2026
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QUESTIONS, Page 3

Action 560839

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 560839
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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
<i>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.</i>	
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)	26500
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	312
GRO+DRO (EPA SW-846 Method 8015M)	206
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	12/15/2025
On what date will (or did) the final sampling or liner inspection occur	12/22/2025
On what date will (or was) the remediation complete(d)	12/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	4000
What is the estimated volume (in cubic yards) that will be reclaimed	74
What is the estimated surface area (in square feet) that will be remediated	9753
What is the estimated volume (in cubic yards) that will be remediated	162

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, Page 4

Action 560839

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 560839
	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	Northern Delaware Basin Landfill
(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: 03/09/2026
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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, Page 5

Action 560839

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 560839
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 560839

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 560839
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	535958
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/23/2025
What was the (estimated) number of samples that were to be gathered	49
What was the sampling surface area in square feet	9754

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	9753
What was the total volume (cubic yards) remediated	162
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	4000
What was the total volume (in cubic yards) reclaimed	74

Summarize any additional remediation activities not included by answers (above)	"The release extent has been laterally defined to the strictest Closure Criteria per NMOCD Table 1 by preliminary delineation soil samples SS01 through SS15 collected at ground surface and 1-foot bgs, and vertically by boreholes BH01 through BH10, collected at depths ranging from ground surface and 2 feet bgs. Excavation of the waste-containing soil area was completed, and excavation floor samples FS01 through FS49, collected at depths ranging from ground surface to 0.5 feet bgs were all in compliance with the Site Closure Criteria. Based on the remedial actions completed to date and a depth to groundwater greater than 101 feet bgs, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2528855818."
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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: 03/09/2026
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Action 560839

QUESTIONS (continued)

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

QUESTIONS

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

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CONDITIONS

Action 560839

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 560839
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2528855818 JOHN CALLAHAN TB, thank you. This Remediation Closure Report is approved.	3/9/2026