



March 11, 2026

New Mexico Energy Minerals and Natural Resources Department

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

**Re: Closure Request
John Callahan Slot 1
Incident Number nAPP2519949540
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the John Callahan Slot 1 (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water at the Site. Based on field observations, field screening activities, and laboratory analytical results from confirmation soil sampling activities, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and confirmation sampling activities that have occurred and requesting no further action for Incident Number nAPP2519949540.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 21, Township 24 South, Range 35 East, in Lea County, New Mexico (32.19699°, -103.37886°) and is associated with oil and gas exploration and production operations on private land.

On July 17, 2025, a 50-foot section of a lay flat line developed pin holes during fracking operations, which resulted in the release of 24 barrels (bbls) of produced water onto the surface of the pad; 15 bbls of produced water were recovered and 9 bbls were unrecoverable. Matador submitted a Release Notification Form C-141 (C-141) to the New Mexico Oil Conservation Division (NMOCD) on July 18, 2025, and the release was assigned Incident Number nAPP2519949540. The Form C-141 can be referenced on the NMOCD Web Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is Office of the State Engineer (OSE) well CP-02100 POD1, located approximately 1,386 feet east 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 is 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 0.64 miles west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT AND DELINEATION ACTIVITIES

From October 7 through November 21, 2025, and on January 7, 2026, Ensolum personnel visited the Site to evaluate the release extent and conduct delineation activities based on information provided on the Form C-141 and visual observations. Preliminary soil samples SS01 through SS09 were collected at the ground surface and 1-foot bgs to assess the lateral extent of the release area. Seven boreholes (BH01 through BH07) were advanced via hand auger and truck mounted air-rotary drill rig within the release extent to assess the vertical extent of the release; borehole BH01 was advanced to a depth of 10 feet bgs, borehole BH02 was advanced to a depth of 5 feet bgs, boreholes BH03 through BH05 were advanced to a depth of 2 feet bgs, borehole BH06 was advanced to a depth of 8 feet bgs, and borehole BH07 was advanced to a depth of 16 feet bgs. Delineation soil samples were collected in each borehole at depths ranging from ground surface to the borehole's terminal depths.

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

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-

of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Ensolum personnel returned to the Site from December 15 through December 18, 2025, and again on January 5, 2026, to oversee a surface scrape of the release area and to collect confirmation soil samples within the release extent. The surface scrape was completed with a road grader, 4-cubic yard front-end loader, and belly dump trucks. Due to the size of the release area, a confirmation soil sampling variance was submitted to the NMOCD on December 15, 2025, to increase the confirmation soil sampling area to 400 square-foot per sample be applied to the floor of the excavation and 200 square-foot per sample be applied to the sidewalls of the excavation. The confirmation soil sampling variance was approved by the NMOCD on December 15, 2025.

Ensolum personnel collected 5-point composite soil samples representing no more than 400 square feet from the floor of the scrape. Due to the shallow nature of the surface scrape, not exceeding a depth of 0.5 feet bgs, the sidewalls were included in the composite floor samples. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS54 were collected from the floor and sidewall of the surface scraped area. The confirmation soil samples were handled and analyzed for the same COCs as described above and submitted to Envirotech.

The final excavation extent measured approximately 21,452 square feet and approximately 320 cubic yards of impacted and waste-containing soil were hauled to Northern Delaware Basin Landfill. The release extent and confirmation soil sample locations are presented on Figure 3.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS09 indicated all COCs were in compliance with the Site Closure Criteria and the strictest Closure Criteria at ground surface and 1-foot bgs. Laboratory analytical results for all delineation soil samples collected in all boreholes advanced indicated COC concentrations were below Closure Criteria, except for BH03 collected at ground surface, but this sample was removed during surface scraping activities. Delineation soil samples collected at the terminal depths of all boreholes advanced indicated COC concentrations below the strictest Closure Criteria.

Laboratory analytical results for all confirmation floor soil samples (FS01 through FS54) indicated all COC concentrations were in compliance with the Site Closure Criteria at 0.5 feet bgs. Laboratory analytical results are summarized in Table 1 and Table 2, and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS09, collected at ground surface, and vertically by soil samples collected in boreholes BH01 through BH07, at terminal depths ranging from 1-foot to 16 feet bgs. Confirmation floor samples FS01 through FS54 were all in compliance with the Site Closure Criteria.

Matador Production Company
John Callahan Slot 1
Closure Request



Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2519949540.

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)
Principal, Geologist

cc: Jason Touchet, Matador

Appendices:

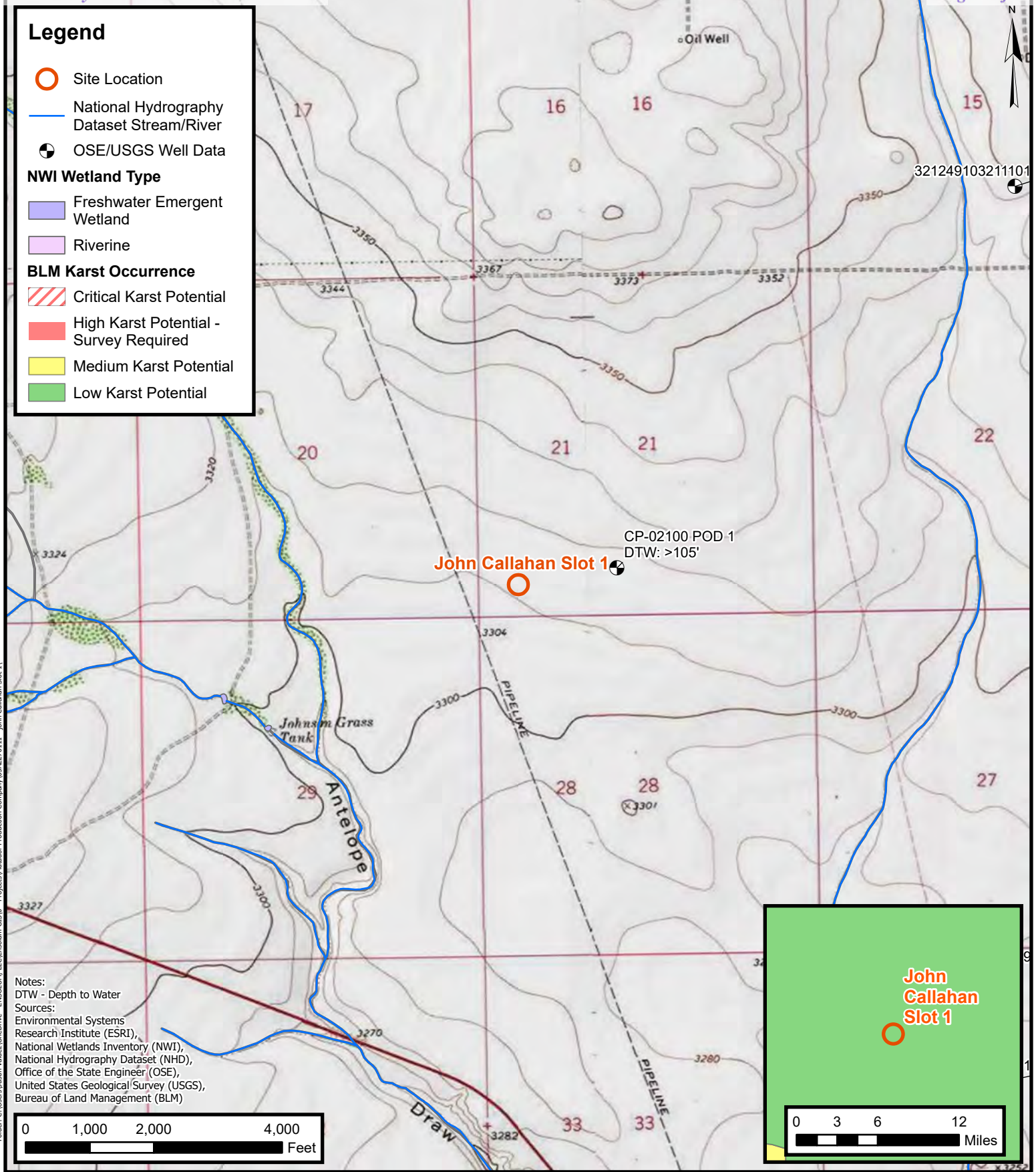
- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Confirmation Soil Sample Locations

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

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



FIGURES



Folder: C:\Users\Justin.Velazquez\OneDrive - ENSOLUM, LLC\Ensolium GIS\0 - Projects\Matador Production Company\03A2270111 - John Callahan Slot 1

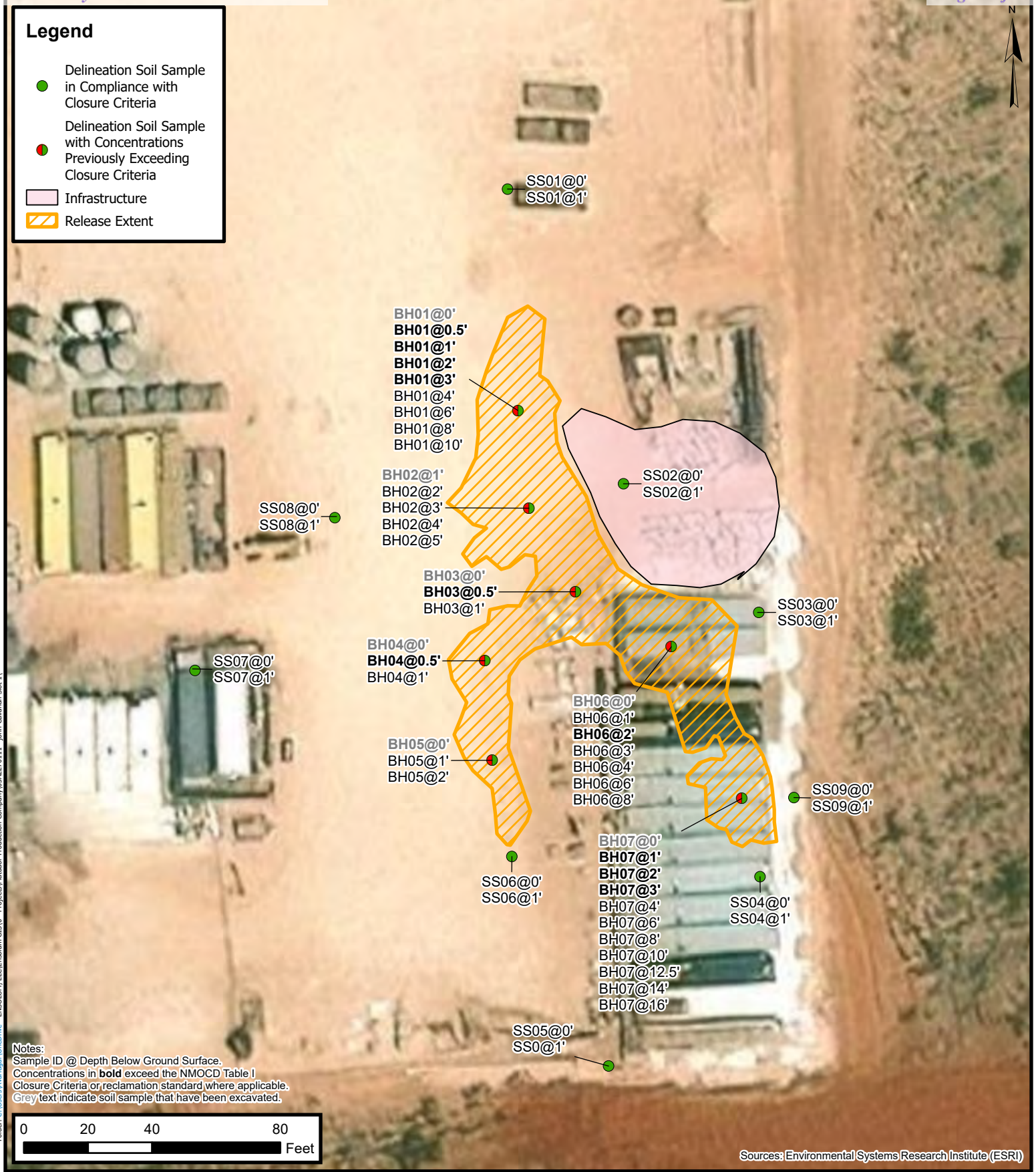


Site Receptor Map
 Matador Production Company
 John Callahan Slot 1
 Incident Number: nAPP2519949540
 Unit M, Section 21, T 24S, R 35E
 Lea County, New Mexico

FIGURE
1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Infrastructure
- Release Extent



Delineation Soil Sample Locations

Matador Production Company
 John Callahan Slot 1
 Incident Number: nAPP2519949540
 Unit M, Section 21, T 24S, R 35E
 Lea County, New Mexico

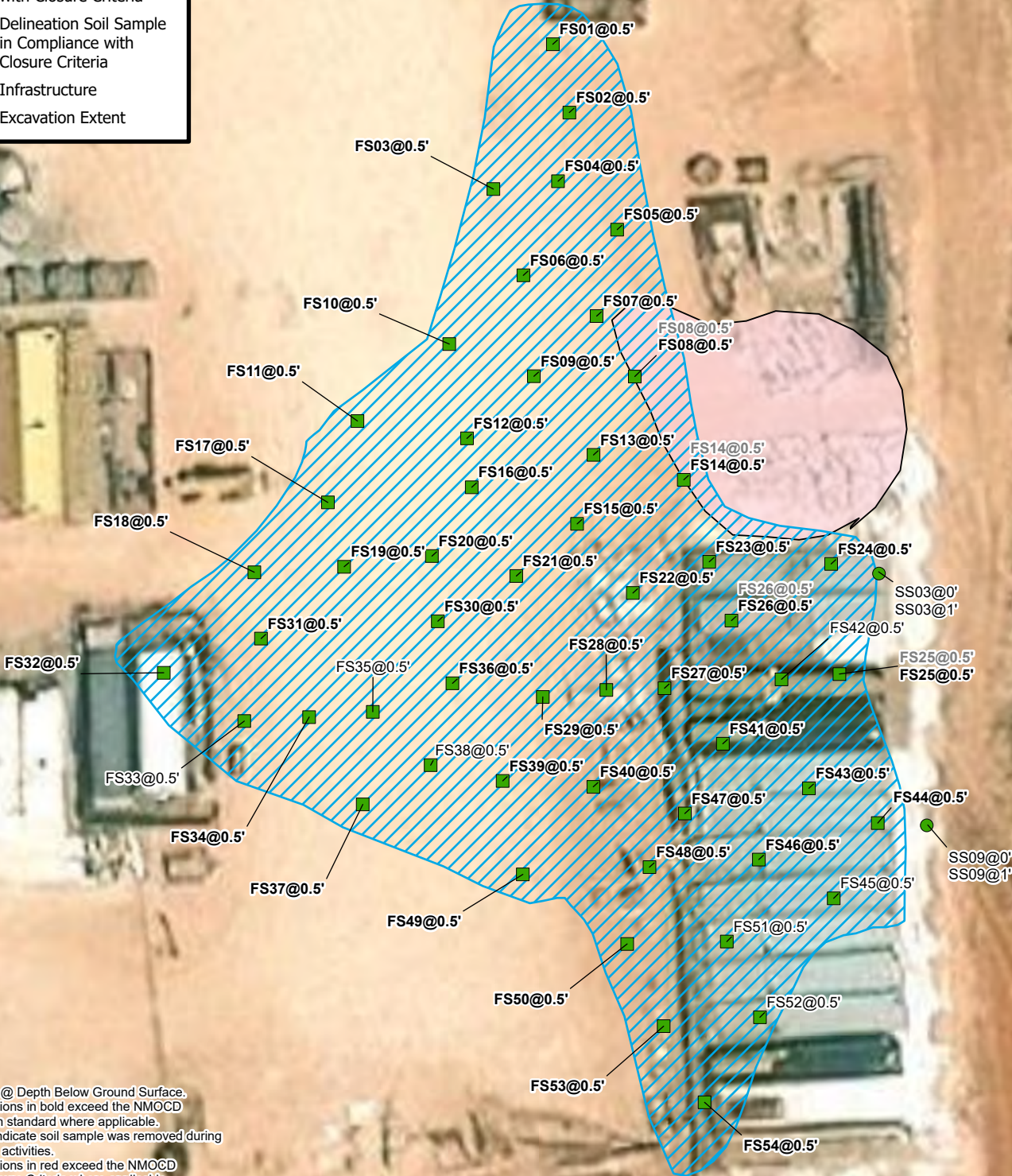
FIGURE

2

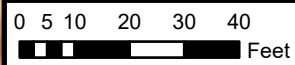


Legend

- Confirmation Floor Sample in Compliance with Closure Criteria
- Delineation Soil Sample in Compliance with Closure Criteria
- Infrastructure
- Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Concentrations in bold exceed the NMOCD reclamation standard where applicable.
 Grey text indicate soil sample was removed during excavation activities.
 Concentrations in red exceed the NMOCD Table I Closure Criteria where applicable.



Sources: Environmental Systems Research Institute (ESRI)

Confirmation Soil Sample Location

Matador Production Company
 John Callahan Slot 1
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 Unit M, Section 21, T 24S, R 35E
 Lea County, New Mexico

FIGURE

3





TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 John Callahan Slot 1
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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	10/7/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	111
SS01	10/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	10/7/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	288
SS02	10/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	10/7/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
SS03	10/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	10/7/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	10/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	11/19/2025	0	<0.0250	<0.0500	<20.0	30.3	<50.0	30.3	<50.0	321
SS05	11/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	145
SS06	10/7/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	124
SS06	10/7/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	85.3
SS07	11/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	536
SS07	11/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.2
SS08	11/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	11/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.2
SS09	11/19/2025	0	<0.0250	<0.0500	<20.0	42.8	<50.0	42.8	<50.0	213
SS09	11/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.5
BH01	10/9/2025	0	<0.0250	<0.0500	<20.0	304	228	304	532	8,440
BH01	10/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	742
BH01	10/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,010
BH01	10/9/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,580
BH01	10/9/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,610
BH01	10/9/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,870
BH01	10/9/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,780
BH01	10/9/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,080
BH01	10/9/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	63.4

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

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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										
BH02	10/10/2025	0	<0.0250	<0.0500	<20.0	44.2	<50.0	44.2	<50.0	10,900
BH02	10/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	479
BH02	10/10/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	117
BH02	10/10/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.6
BH02	10/10/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	10/10/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH03	10/9/2025	0	<0.0250	<0.0500	<20.0	90.6	<50.0	90.6	91	87,300
BH03	10/9/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,440
BH03	10/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	175
BH04	10/9/2025	0	<0.0250	<0.0500	<20.0	526	835.0	526	1,361	11,400
BH04	10/9/2025	0.5	<0.0250	<0.0500	<20.0	37.7	80.1	37.7	118	635
BH04	10/9/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.1
BH05	10/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,420
BH05	10/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	426
BH05	10/10/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82.5
BH06	10/10/2025	0	<0.0250	<0.0500	<20.0	90.6	109	90.6	200	509
BH06	10/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	146
BH06	10/10/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,630
BH06	10/10/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	450
BH06	10/10/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	512
BH06	10/10/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,560
BH06	10/10/2025	8	<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 Slot 1
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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										
BH07	10/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,010
BH07	10/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,400
BH07	10/10/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,250
BH07	10/10/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	678
BH07	10/10/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,130
BH07	10/10/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,110
BH07	10/10/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,260
BH07	10/10/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,020
BH07	10/10/2025	12.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,800
BH07	2/5/2026	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	326
BH07	2/5/2026	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	165

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 Slot 1
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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
Confirmation Floor Soil Samples										
FS01	12/16/2025	0.5	<0.0250	<0.0500	<20.0	103	<50.0	103	103	2,990
FS02	12/16/2025	0.5	<0.0250	<0.0500	<20.0	121	<50.0	121	121	3,760
FS03	12/18/2025	0.5	<0.0250	<0.0500	<20.0	87.6	<50.0	87.6	87.6	6,390
FS04	12/18/2025	0.5	<0.0250	<0.0500	<20.0	272	164	272	436	5,370
FS05	12/16/2025	0.5	<0.0250	<0.0500	<20.0	97.9	<50.0	97.9	97.9	3,440
FS06	12/18/2025	0.5	<0.0250	<0.0500	<20.0	43.1	<50.0	43.1	<50.0	3,720
FS07	12/16/2025	0.5	<0.0250	<0.0500	<20.0	37.9	<50.0	37.9	37.9	8,090
FS08	12/16/2025	0.5	<0.0250	<0.0500	<20.0	208	<50.0	208	208	5,090
FS08	12/18/2025	0.5	<0.0250	<0.0500	<20.0	40.1	<50.0	40.1	<50.0	4,230
FS09	1/5/2026	0.5	<0.0250	<0.0500	<20.0	43.8	<50.0	43.8	<50.0	3,730
FS10	12/16/2025	0.5	<0.0250	<0.0500	<20.0	409	55.9	409	465	7,430
FS11	12/16/2025	0.5	<0.0250	<0.0500	<20.0	409	106	409	515	4,990
FS12	12/16/2025	0.5	<0.0250	<0.0500	<20.0	105	<50.0	105	105	2,310
FS13	12/16/2025	0.5	<0.0250	<0.0500	<20.0	165	<50.0	165	165	7,330
FS14	12/18/2025	0.5	<0.0250	0.164	<20.0	2,620	<50.0	2,620	2,620	3,150
FS14	1/5/2026	0.5	<0.0250	<0.0500	<20.0	295	<50.0	295	295	2,030
FS15	12/26/2025	0.5	<0.0250	<0.0500	<20.0	735	<50.0	735	735	4,000
FS16	12/16/2025	0.5	<0.0250	<0.0500	<20.0	146	<50.0	146	146	2,320
FS17	12/16/2025	0.5	<0.0250	<0.0500	<20.0	395	206	395	601	4,530
FS18	12/16/2025	0.5	<0.0250	<0.0500	<20.0	375	89.7	375	465	2,110
FS19	12/16/2025	0.5	<0.0250	<0.0500	<20.0	189	132	189	321	5,850
FS20	12/16/2025	0.5	<0.0250	<0.0500	<20.0	155	<50.0	155	155	1,650
FS21	12/16/2025	0.5	<0.0250	<0.0500	<20.0	182	<50.0	182	182	3,910
FS22	12/16/2025	0.5	<0.0250	<0.0500	<20.0	101	<50.0	101	101	7,670
FS23	12/16/2025	0.5	<0.0250	<0.0500	<20.0	718	<50.0	718	718	7,250
FS24	12/16/2025	0.5	<0.0250	<0.0500	<20.0	397	<50.0	397	397	3,000
FS25	12/18/2025	0.5	<0.0250	0.362	26.6	3,740	<50.0	3,767	3,767	2,690
FS25	1/5/2026	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,110

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 John Callahan Slot 1
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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
Confirmation Floor Soil Samples										
FS26	12/18/2025	0.5	<0.0250	0.376	26.0	3,310	<50.0	3,336	3,336	2,670
FS26	1/5/2026	0.5	<0.0250	<0.0500	<20.0	86.4	<50.0	86.4	86.4	2,940
FS27	12/16/2025	0.5	<0.0250	<0.0500	<20.0	263	<50.0	263	263	1,850
FS28	12/16/2025	0.5	<0.0250	<0.0500	<20.0	55.8	<50.0	55.8	55.8	1,210
FS29	12/16/2025	0.5	<0.0250	<0.0500	<20.0	104	<50.0	104	104	930
FS30	12/16/2025	0.5	<0.0250	<0.0500	<20.0	224	139	224	363	1,890
FS31	12/17/2025	0.5	<0.0250	<0.0500	<20.0	209	67.4	209	276	4,890
FS32	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	674
FS33	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	563
FS34	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,200
FS35	12/17/2025	0.5	<0.0250	<0.0500	<20.0	29.1	<50.0	29.1	<50.0	321
FS36	12/17/2025	0.5	<0.0250	<0.0500	<20.0	56.5	<50.0	56.5	56.5	1,230
FS37	12/17/2025	0.5	<0.0250	<0.0500	<20.0	288	<50.0	288	288	2,840
FS38	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	189
FS39	12/17/2025	0.5	<0.0250	<0.0500	<20.0	66.6	58.2	66.6	125	760
FS40	12/17/2025	0.5	<0.0250	<0.0500	<20.0	131	<50.0	131	131	1,730
FS41	12/17/2025	0.5	<0.0250	<0.0500	<20.0	135	<50.0	135	135	3,680
FS42	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	424
FS43	12/17/2025	0.5	<0.0250	<0.0500	<20.0	80.7	<50.0	80.7	80.7	3,340
FS44	12/17/2025	0.5	<0.0250	<0.0500	<20.0	37.8	<50.0	37.8	<50.0	7,240

TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 John Callahan Slot 1
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD 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
Confirmation Floor Soil Samples										
FS45	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	476
FS46	12/17/2025	0.5	<0.0250	<0.0500	<20.0	241	<50.0	241	241	3,430
FS47	12/17/2025	0.5	<0.0250	<0.0500	<20.0	297	<50.0	297	297	2,860
FS48	12/17/2025	0.5	<0.0250	<0.0500	<20.0	211	81.8	211	293	778
FS49	12/17/2025	0.5	<0.0250	<0.0500	<20.0	54.4	65.2	54.4	120	1,160
FS50	12/17/2025	0.5	<0.0250	<0.0500	<20.0	673	<50.0	673	673	1,310
FS51	12/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.4
FS52	12/17/2025	0.5	<0.0250	<0.0500	<20.0	25.3	<50.0	25.3	<50.0	513
FS53	12/17/2025	0.5	<0.0250	<0.0500	<20.0	175	<50.0	175	175	764
FS54	12/17/2025	0.5	<0.0250	<0.0500	<20.0	485	<50.0	485	485	2,030

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 32	MINUTES 11	SECONDS 51.3	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LATITUDE		N	* DATUM REQUIRED: WGS 84	
		LONGITUDE	103	22	26.2	W
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 <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) <small>Centralizer info below</small>				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			

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0'	10'	10'	Caliche	Y ✓ N	
	10'	15'	5'	Sandy Caliche	Y ✓ N	
	15'	105'	90'	Sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: DTGW Bore					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 2-9-26 at the Matador John Callahan Remediation site. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cuttings to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	2-10-26 _____ DATE

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



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):

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0' - 10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	pour	
	10' - 105' Drill Cuttings	Approx. 140 gallons	140 Gallons	pour	

MULTIPLY	BY	AND OBTAIN
cubic feet x 7.4805	=	gallons
cubic yards x 201.97	=	gallons

III. SIGNATURE:

I, James Hawley _____, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller


2/10/26


Date





APPENDIX B


Lithologic Soil Sampling Logs


		Sample Name: BH01		Date: 10/9/2025				
		Site Name: John Callahan Slot 1 Well Pad						
		Incident Number: nAPP2519949540						
		Job Number: 03A2270111						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.196999, -103.378678			Logged By: JM		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 10'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0	0		
M	1,109		N	BH01	0.5		CCHE	0-1' - Pad Caliche - White to very light brown, Poorly graded, Non-Plastic, Noncohesive.
M	1,198		N	BH01	1	1		
D	1,284		N	BH01	2	2		1-2' - Sand - Light Brown to Red, Well graded with Small Gravel, Non-Plastic, Noncohesive, Massive
D	8,143		N	BH01	3	3		
D	6,972		N	BH01	4	4	SW	2-7' - Sand - Dark brown, Well graded with Small Gravel, Non-Plastic, Noncohesive, Massive
D	4,206		N		5	5		
D	2,638		N	BH01	6	6		
D	4,586		N		7	7		
D	8,876		N	BH01	8	8		
D	2,638		N		9	9	CCHE	7-10' - Caliche - White to Light Red with Small to Medium Gravel, Non-Plastic, Noncohesive
D	<168	20	N	BH01	10	10		
Total Depth @ 10 feet bgs.								


					Sample Name: BH02		Date: 10/10/2025	
					Site Name: John Callahan Slot 1			
					Incident Number: nAPP2519949540			
					Job Number: 03A2270111			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Eric Plugge		Method: Hand Auger	
Coordinates: 32.196916, -103.378669					Hole Diameter: 3"		Total Depth: 5'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	3,584		Y	BH02	0	0	CCHE	0-1' - Pad Caliche - White to very light brown, Poorly graded, Non-Plastic, Noncohesive.
D	576		N	BH02	1	1		
D	168		N	BH02	2	2	SW	1-2' - Sand - Light Brown to Red, Well graded with Small Gravel, Non-Plastic, Noncohesive, Massive
D	<168		N	BH02	3	3		
D	<168		N	BH02	4	4		
D	<168	23	N	BH02	5	5		2-5' - Sand - Dark brown, Well graded with Small Gravel, Non-Plastic, Noncohesive, Massive
Total Depth @ 5 feet bgs.								


					Sample Name: BH03		Date: 10/9/2025	
					Site Name: John Callahan Slot 1 Well Pad			
					Incident Number: nAPP2519949540			
					Job Number: 03A2270111			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: JM		Method: Hand Auger	
Coordinates: 32.196843, -103.378623					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. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	0	0	0		
M			Y	BH03	0.5		CCHE	0-1' - Pad Caliche - White to very light brown, Poorly graded, Non-Plastic, Noncohesive.
D			N	BH03	1	1		
D	<168	22	N		2	2	SW	1-2' - Sand - Light Brown to Red, Well graded with Small Gravel, Non-Plastic, Noncohesive, Massive
Total Depth @ 2 feet bgs.								

					Sample Name: BH04		Date: 10/9/2025	
					Site Name: John Callahan Slot 1 Well Pad			
					Incident Number: nAPP2519949540			
					Job Number: 03A2270111			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: JM		Method: Hand Auger	
Coordinates: 32.196785, -103.378715					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. 40% correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	0	0	0		
				BH04	0.5		CCHE	0-1' - Pad Caliche - White to very light brown, Poorly graded, Non-Plastic, Noncohesive.
D	<168		N	BH04	1	1		
	<168	85			2	2	SW	1-2' - Sand - Light Brown to Red, Well graded with Small Gravel, Non-Plastic, Noncohesive, Massive
Total Depth @ 2 feet bgs.								

					Sample Name: BH05		Date: 10/10/2025	
					Site Name: John Callahan Slot 1			
					Incident Number: nAPP2519949540			
					Job Number: 03A2270111			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Eric Plugge		Method: hand auger	
Coordinates: 32.196700, -103.378710					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. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	2,727		Y	BH05	0	0	CCHE	White to very light brown, Poorly graded, Non-Plas
D	711		N	BH05	1	1	SW	1-2' - Sand - Light Brown to Red, Well graded with Small Gravel, Non-Plastic, Noncohesive, Massive
D	<168	29	N	BH05	2	2		
Total Depth @ 2 feet bgs.								

					Sample Name: BH06		Date: 10/10/2025	
					Site Name: John Callahan Slot 1			
					Incident Number: nAPP2519949540			
					Job Number: 03A2270111			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Eric Plugge		Method: Hand Auger	
Coordinates: 32.196795, -103.378527					Hole Diameter: 3"		Total Depth: 8'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	526		Y	BH06	0	0	SW	White to very light brown, Poorly graded, Non-Plas
D	229		N	BH06	1	1		1-2' - Sand - Light Brown to Red, Well graded with Small Gravel, Non-Plastic, Noncohesive, Massive
D	229		N	BH06	2	2		
D	873		N	BH06	3	3		
D	526		N	BH06	4	4		
D	470	90	N	BH06	5	5		2-8' - Sand - Dark brown, Well graded with Small Gravel, Non-Plastic, Noncohesive, Massive
D	1,545		N	BH06	6	6		
D	1,920		N	BH06	7	7		
D	<168	14	N	BH06	8	8		
Total Depth @ 8 feet bgs.								

					Sample Name: BH07		Date: 10/10/2025	
					Site Name: John Callahan Slot 1			
					Incident Number: nAPP2519949540			
					Job Number: 03A2270111			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Eric Plugge		Method: Hand Auger	
Coordinates: 32.196664, -103.378458					Hole Diameter: 3"		Total Depth: 12.5'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	4.8		Y	BH07	0	0	CCHE	0-1' - Pad Caliche - White to very light brown, Poorly graded, Non-Plastic, Noncohesive.
D	7.2		N	BH07	1	1		
D	6		N	BH07	2	2	SW	0-2' - Sand - Light Brown to Red, Well graded with Small Gravel, Non-Plastic, Noncohesive, Massive
D	6		N	BH07	3	3		
D	5.8		N	BH07	4	4		
D	7.6		N	BH07	5	5		
D	6.4		N	BH07	6	6		
D	7.6		N	BH07	7	7		
D	8.2		N	BH07	8	8	CCHE	8-12.5' - Caliche - White to Light Red with Small to Medium Gravel, Non-Plastic, Noncohesive, Massive
D	8.6		N	BH07	9	9		
D	9		N	BH07	10	10		
D	8		N	BH07	11	11		
D	6.8		N	BH07	12.5	12.5		

							Sample Name: BH07		Date: 10/10/2025	
							Site Name: John Callahan Slot 1			
							Incident Number: nAPP2519949540			
							Job Number: 03A2270111			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: Eric Plugge		Method: Hand Auger	
Coordinates: 32.196664, -103.378458							Hole Diameter: 3"		Total Depth: 12.5'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.										
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D	2,173		N	BH07	13	13	SP	13-14: Sand with gravel, soft, pink (7.5YR 8/3), fine grained, dry, non-plastic, non-cohesive, poorly graded, with little caliche gravel (6-30%), alluvial, gradational lower boundary		
D	448		N		14	14				
D	263		N		15	15	SW	14-20: Sand with gravel, loose, white (7.5YR 8/3), fine grained, dry, non-plastic, non-cohesive, well graded, with some caliche gravel (31-49%), alluvial		
D	190		N		16	16				
D	190		N		17	17				
D			N		18	18				
D			N		19	19				
D	<157		N		20	20				
Total Depth @ 20 feet bgs.										



APPENDIX C

Photographic Log



Photographic Log
 Matador Production Company
 John Callahan Slot 1 Well Pad
 nAPP2519949540



Photograph 1 Date: 10/10/2025
 Description: Lease Signage
 View: Northeast

Photograph 2 Date: 7/18/2025
 Description: Spill Area
 View: Southeast



Photograph 3 Date: 7/18/2025
 Description: Spill Area
 View: East

Photograph 4 Date: 7/18/2025
 Description: Spill Area
 View: East



Photographic Log

Matador Production Company
John Callahan Slot 1 Well Pad
nAPP2519949540



Photograph 5 Date: 7/18/2025
Description: Spill Area
View: West

Photograph 6 Date: 10/7/2025
Description: Delineation (SS01)
View: South



Photograph 7 Date: 10/7/2025
Description: Delineation (SS04)
View: Northwest

Photograph 8 Date: 10/9/2025
Description: Delineation (BH01)
View: West



Photographic Log

Matador Production Company
John Callahan Slot 1 Well Pad
nAPP2519949540



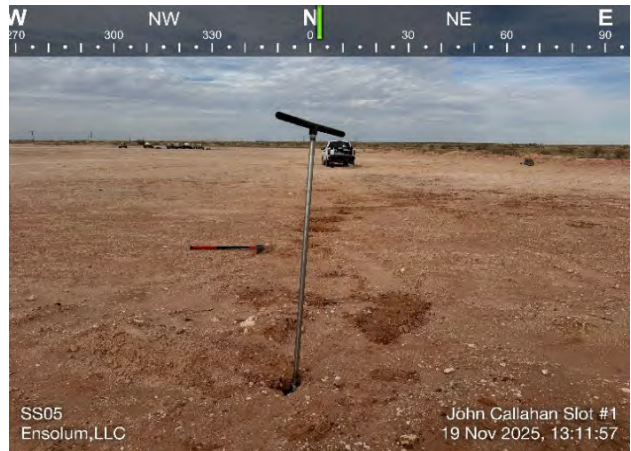
Photograph 9 Date: 10/9/2025
Description: Delineation (BH04)
View: Southwest



Photograph 10 Date: 10/10/2025
Description: Delineation (BH05)
View: West



Photograph 11 Date: 10/10/2025
Description: Delineation (BH06)
View: South



Photograph 12 Date: 11/19/2025
Description: Delineation (SS05)
View: North



Photographic Log

Matador Production Company
John Callahan Slot 1 Well Pad
nAPP2519949540



Photograph 13 Date: 11/19/2025
Description: Delineation Activities
View: Northwest

Photograph 14 Date: 11/21/2025
Description: Delineation (SS07)
View: North

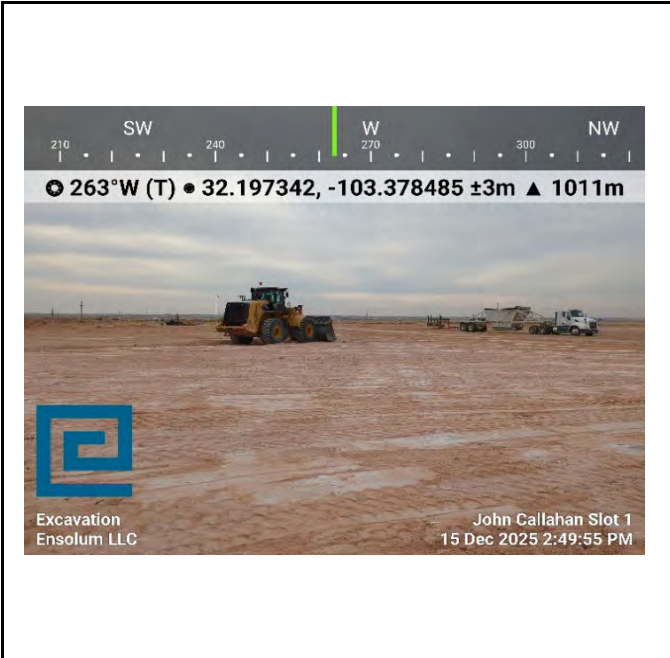


Photograph 15 Date: 11/21/2025
Description: Delineation (SS08)
View: East

Photograph 16 Date: 12/15/2025
Description: Excavation Activities
View: Southeast



Photographic Log
Matador Production Company
John Callahan Slot 1 Well Pad
nAPP2519949540



Photograph 17 Date: 12/15/2025
Description: Excavation Activities
View: South

Photograph 18 Date: 12/15/2025
Description: Excavation Activities
View: West



Photograph 19 Date: 12/16/2025
Description: Excavation Area
View: Southwest

Photograph 20 Date: 12/16/2025
Description: Excavation Area
View: Northwest



Photographic Log
 Matador Production Company
 John Callahan Slot 1 Well Pad
 nAPP2519949540



Photograph 21 Date: 12/17/2025
 Description: Confirmation Sampling
 View: North

Photograph 22 Date: 12/17/2025
 Description: Confirmation Sampling
 View: Northwest



Photograph 23 Date: 12/18/2025
 Description: Confirmation Sampling
 View: South

Photograph 24 Date: 12/18/2025
 Description: Confirmation Sampling
 View: South



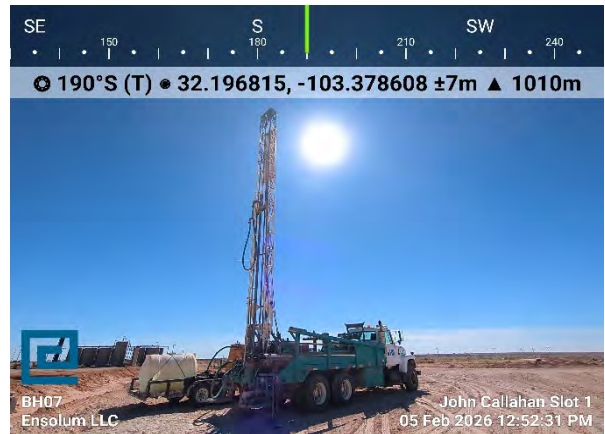
Photographic Log

Matador Production Company
John Callahan Slot 1 Well Pad
nAPP2519949540



Photograph 25 Date: 12/18/2025
Description: Confirmation Sampling
View: North

Photograph 26 Date: 12/18/2025
Description: Confirmation Sampling
View: Northwest



Photograph 27 Date: 2/5/2026
Description: Delineation (BH07)
View: South

Photograph 28 Date: 2/5/2026
Description: Delineation (BH07)
View: South



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 Callahan Slot 1

Work Order: E510092

Job Number: 23003-0002

Received: 10/9/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/14/25

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: 10/14/25

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



Project Name: John Callahan Slot 1
Workorder: E510092
Date Received: 10/9/2025 3:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/9/2025 3:45:00AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/25 17:02
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E510092-01A	Soil	10/07/25	10/09/25	Glass Jar, 2 oz.
SS01-1'	E510092-02A	Soil	10/07/25	10/09/25	Glass Jar, 2 oz.
SS02-0'	E510092-03A	Soil	10/07/25	10/09/25	Glass Jar, 2 oz.
SS02-1'	E510092-04A	Soil	10/07/25	10/09/25	Glass Jar, 2 oz.
SS03-0'	E510092-05A	Soil	10/07/25	10/09/25	Glass Jar, 2 oz.
SS03-1'	E510092-06A	Soil	10/07/25	10/09/25	Glass Jar, 2 oz.
SS04-0'	E510092-07A	Soil	10/07/25	10/09/25	Glass Jar, 2 oz.
SS04-1'	E510092-08A	Soil	10/07/25	10/09/25	Glass Jar, 2 oz.
SS06-0'	E510092-09A	Soil	10/07/25	10/09/25	Glass Jar, 2 oz.
SS06-1'	E510092-10A	Soil	10/07/25	10/09/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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SS01-0'

E510092-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2541110	
Benzene	ND	0.0250	1	10/09/25	10/10/25	
Ethylbenzene	ND	0.0250	1	10/09/25	10/10/25	
Toluene	ND	0.0250	1	10/09/25	10/10/25	
o-Xylene	ND	0.0250	1	10/09/25	10/10/25	
p,m-Xylene	ND	0.0500	1	10/09/25	10/10/25	
Total Xylenes	ND	0.0250	1	10/09/25	10/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.9 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2541110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/25	10/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.5 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2541133	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
<i>Surrogate: n-Nonane</i>		98.7 %	61-141	10/10/25	10/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2541119	
Chloride	111	20.0	1	10/09/25	10/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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SS01-1'

E510092-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Benzene	ND	0.0250	1	10/09/25	10/10/25	
Ethylbenzene	ND	0.0250	1	10/09/25	10/10/25	
Toluene	ND	0.0250	1	10/09/25	10/10/25	
o-Xylene	ND	0.0250	1	10/09/25	10/10/25	
p,m-Xylene	ND	0.0500	1	10/09/25	10/10/25	
Total Xylenes	ND	0.0250	1	10/09/25	10/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.6 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/25	10/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.9 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2541133
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
<i>Surrogate: n-Nonane</i>		98.6 %	61-141	10/10/25	10/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2541119
Chloride	ND	20.0	1	10/09/25	10/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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SS02-0'

E510092-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Benzene	ND	0.0250	1	10/09/25	10/10/25	
Ethylbenzene	ND	0.0250	1	10/09/25	10/10/25	
Toluene	ND	0.0250	1	10/09/25	10/10/25	
o-Xylene	ND	0.0250	1	10/09/25	10/10/25	
p,m-Xylene	ND	0.0500	1	10/09/25	10/10/25	
Total Xylenes	ND	0.0250	1	10/09/25	10/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.8 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/25	10/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2541133
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
<i>Surrogate: n-Nonane</i>		97.6 %	61-141	10/10/25	10/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2541119
Chloride	288	20.0	1	10/09/25	10/10/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
---	--	--

SS02-1'

E510092-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Benzene	ND	0.0250	1	10/09/25	10/10/25	
Ethylbenzene	ND	0.0250	1	10/09/25	10/10/25	
Toluene	ND	0.0250	1	10/09/25	10/10/25	
o-Xylene	ND	0.0250	1	10/09/25	10/10/25	
p,m-Xylene	ND	0.0500	1	10/09/25	10/10/25	
Total Xylenes	ND	0.0250	1	10/09/25	10/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.9 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/25	10/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2541133
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	10/10/25	10/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2541119
Chloride	ND	20.0	1	10/09/25	10/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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SS03-0'

E510092-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Benzene	ND	0.0250	1	10/09/25	10/10/25	
Ethylbenzene	ND	0.0250	1	10/09/25	10/10/25	
Toluene	ND	0.0250	1	10/09/25	10/10/25	
o-Xylene	ND	0.0250	1	10/09/25	10/10/25	
p,m-Xylene	ND	0.0500	1	10/09/25	10/10/25	
Total Xylenes	ND	0.0250	1	10/09/25	10/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.8 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/25	10/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.2 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2541133
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
<i>Surrogate: n-Nonane</i>		98.1 %	61-141	10/10/25	10/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2541119
Chloride	132	20.0	1	10/09/25	10/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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SS03-1'

E510092-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Benzene	ND	0.0250	1	10/09/25	10/10/25	
Ethylbenzene	ND	0.0250	1	10/09/25	10/10/25	
Toluene	ND	0.0250	1	10/09/25	10/10/25	
o-Xylene	ND	0.0250	1	10/09/25	10/10/25	
p,m-Xylene	ND	0.0500	1	10/09/25	10/10/25	
Total Xylenes	ND	0.0250	1	10/09/25	10/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.4 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/25	10/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2541133
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
<i>Surrogate: n-Nonane</i>		99.0 %	61-141	10/10/25	10/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2541119
Chloride	ND	20.0	1	10/09/25	10/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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SS04-0'

E510092-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Benzene	ND	0.0250	1	10/09/25	10/10/25	
Ethylbenzene	ND	0.0250	1	10/09/25	10/10/25	
Toluene	ND	0.0250	1	10/09/25	10/10/25	
o-Xylene	ND	0.0250	1	10/09/25	10/10/25	
p,m-Xylene	ND	0.0500	1	10/09/25	10/10/25	
Total Xylenes	ND	0.0250	1	10/09/25	10/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.4 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/25	10/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.3 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2541133
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
<i>Surrogate: n-Nonane</i>						
		99.4 %	61-141	10/10/25	10/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2541119
Chloride	ND	20.0	1	10/09/25	10/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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SS04-1'

E510092-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Benzene	ND	0.0250	1	10/09/25	10/10/25	
Ethylbenzene	ND	0.0250	1	10/09/25	10/10/25	
Toluene	ND	0.0250	1	10/09/25	10/10/25	
o-Xylene	ND	0.0250	1	10/09/25	10/10/25	
p,m-Xylene	ND	0.0500	1	10/09/25	10/10/25	
Total Xylenes	ND	0.0250	1	10/09/25	10/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.8 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/25	10/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.1 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2541133
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
<i>Surrogate: n-Nonane</i>		98.9 %	61-141	10/10/25	10/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2541119
Chloride	ND	20.0	1	10/09/25	10/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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SS06-0'

E510092-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Benzene	ND	0.0250	1	10/09/25	10/10/25	
Ethylbenzene	ND	0.0250	1	10/09/25	10/10/25	
Toluene	ND	0.0250	1	10/09/25	10/10/25	
o-Xylene	ND	0.0250	1	10/09/25	10/10/25	
p,m-Xylene	ND	0.0500	1	10/09/25	10/10/25	
Total Xylenes	ND	0.0250	1	10/09/25	10/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.3 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/25	10/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.7 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2541133
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	10/10/25	10/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2541119
Chloride	124	20.0	1	10/09/25	10/09/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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SS06-1'

E510092-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Benzene	ND	0.0250	1	10/09/25	10/10/25	
Ethylbenzene	ND	0.0250	1	10/09/25	10/10/25	
Toluene	ND	0.0250	1	10/09/25	10/10/25	
o-Xylene	ND	0.0250	1	10/09/25	10/10/25	
p,m-Xylene	ND	0.0500	1	10/09/25	10/10/25	
Total Xylenes	ND	0.0250	1	10/09/25	10/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.3 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2541110
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/25	10/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	10/09/25	10/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2541133
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/25	10/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/25	10/10/25	
<i>Surrogate: n-Nonane</i>		93.6 %	61-141	10/10/25	10/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2541119
Chloride	85.3	20.0	1	10/09/25	10/09/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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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 (2541110-BLK1)

Prepared: 10/09/25 Analyzed: 10/10/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.2	70-130			

LCS (2541110-BS1)

Prepared: 10/09/25 Analyzed: 10/10/25

Benzene	5.12	0.0250	5.00		102	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.1	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			

Matrix Spike (2541110-MS1)

Source: E510092-10

Prepared: 10/09/25 Analyzed: 10/10/25

Benzene	5.35	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.18	0.0250	5.00	ND	104	70-130			
Toluene	5.27	0.0250	5.00	ND	105	70-130			
o-Xylene	5.22	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2541110-MSD1)

Source: E510092-10

Prepared: 10/09/25 Analyzed: 10/10/25

Benzene	5.53	0.0250	5.00	ND	111	70-130	3.33	27	
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130	3.18	26	
Toluene	5.45	0.0250	5.00	ND	109	70-130	3.30	20	
o-Xylene	5.39	0.0250	5.00	ND	108	70-130	3.17	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	2.98	23	
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130	3.05	26	
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.5	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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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 (2541110-BLK1)

Prepared: 10/09/25 Analyzed: 10/10/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			

LCS (2541110-BS2)

Prepared: 10/09/25 Analyzed: 10/10/25

Gasoline Range Organics (C6-C10)	58.7	20.0	50.0		117	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2541110-MS2)

Source: E510092-10

Prepared: 10/09/25 Analyzed: 10/10/25

Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130			

Matrix Spike Dup (2541110-MSD2)

Source: E510092-10

Prepared: 10/09/25 Analyzed: 10/10/25

Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130	1.66	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.6	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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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 (2541133-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		93.0	61-141			

LCS (2541133-BS1)

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

Diesel Range Organics (C10-C28)	237	25.0	250		94.9	66-144			
Surrogate: n-Nonane	47.4		50.0		94.8	61-141			

Matrix Spike (2541133-MS1)

Source: E510106-01

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

Diesel Range Organics (C10-C28)	259	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	48.6		50.0		97.2	61-141			

Matrix Spike Dup (2541133-MSD1)

Source: E510106-01

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

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	1.27	20	
Surrogate: n-Nonane	49.8		50.0		99.5	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/2025 5:02:02PM
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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 (2541119-BLK1)

Prepared: 10/09/25 Analyzed: 10/09/25

Chloride ND 20.0

LCS (2541119-BS1)

Prepared: 10/09/25 Analyzed: 10/09/25

Chloride 251 20.0 250 101 90-110

Matrix Spike (2541119-MS1)

Source: E510092-03

Prepared: 10/09/25 Analyzed: 10/10/25

Chloride 561 20.0 250 288 109 80-120

Matrix Spike Dup (2541119-MSD1)

Source: E510092-03

Prepared: 10/09/25 Analyzed: 10/10/25

Chloride 537 20.0 250 288 99.5 80-120 4.36 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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/14/25 17:02
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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 Slot 1		Address: 3122 National Parks Hwy		E510092	23003-0002				x	x			
Project Manager: Ashley Gioveno		City, State, Zip: Carlsbad NM, 88220											
Address: 3122 National Parks Hwy		Phone: 575-988-0055											
City, State, Zip: Carlsbad NM, 88220		Email: agioveno@ensolum.com											
Phone: 575-988-0055		Miscellaneous:											
Email: agioveno@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 - MM	BGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
12:38	10/7/2025	Soil	1	SS01 - 0'		1								X		1.3				
12:49	10/7/2025	Soil	1	SS01 - 1'		2								X		0.7				
10:48	10/7/2025	Soil	1	SS02 - 0'		3								X		1.5				
11:18	10/7/2025	Soil	1	SS02 - 1'		4								X		0.9				
10:03	10/7/2025	Soil	1	SS03 - 0'		5								X		1.6				
10:36	10/7/2025	Soil	1	SS03 - 1'		6								X		1.9				
11:32	10/7/2025	Soil	1	SS04 - 0'		7								X		1.8				
12:00	10/7/2025	Soil	1	SS04 - 1'		8								X		2.0				
9:12	10/7/2025	Soil	1	SS06 - 0'		9								X		2.2				
9:51	10/7/2025	Soil	1	SS06 - 1'		10								X		2.5				

Additional Instructions: Please CC: cburton@ensolum.com, agioveno@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 10/8/25	Time 7:11	Received by: (Signature) <i>Michelle Gonzales</i>	Date 10-8-25	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 10-8-25	Time 1215	Received by: (Signature) <i>Marissa Gonzales</i>	Date 10-8-25	Time 1215	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 10-8-25	Time 1715	Received by: (Signature) <i>Andrew Musso</i>	Date 10-8-25	Time 1715	
Relinquished by: (Signature) <i>Andrew Musso</i>	Date 10-8-25	Time 2115	Received by: (Signature) <i>Nbc Seb</i>	Date 10-9-25	Time 0345	
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

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: 10/9/2025 8:57:18AM

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: 10/09/25 03:45 Work Order ID: E510092
Phone: (972) 371-5200 Date Logged In: 10/08/25 14:43 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 10/15/25 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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 Slot 1

Work Order: E510116

Job Number: 23003-0002

Received: 10/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/17/25

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: 10/17/25

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



Project Name: John Callahan Slot 1
Workorder: E510116
Date Received: 10/13/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/13/2025 7:00:00AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/25 08:03
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E510116-01A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH01-0.5'	E510116-02A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH01-1'	E510116-03A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH01-2'	E510116-04A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH01-3'	E510116-05A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH01-4'	E510116-06A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH01-6'	E510116-07A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH01-8'	E510116-08A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH01-10'	E510116-09A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH01-11'	E510116-10A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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BH01-0'
E510116-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.5 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542002
Diesel Range Organics (C10-C28)	304	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	228	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>		98.2 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	8440	200	10	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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BH01-0.5'

E510116-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.3 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		88.6 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	742	20.0	1	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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BH01-1'

E510116-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.6 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>		85.7 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	1010	20.0	1	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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BH01-2'

E510116-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		122 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		87.9 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	8580	200	10	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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BH01-3'
E510116-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		84.9 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	7610	100	5	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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BH01-4'
E510116-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		119 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		86.3 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	5870	100	5	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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BH01-6'
E510116-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		118 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		85.5 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	2780	40.0	2	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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BH01-8'
E510116-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		120 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>		99.7 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	9080	200	10	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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BH01-10'

E510116-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Benzene	ND	0.0250	1	10/13/25	10/14/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/14/25	
Toluene	ND	0.0250	1	10/13/25	10/14/25	
o-Xylene	ND	0.0250	1	10/13/25	10/14/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/14/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		119 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542014
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	10/13/25	10/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>						
		88.8 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	63.4	20.0	1	10/13/25	10/13/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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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 (2542014-BLK1)

Prepared: 10/13/25 Analyzed: 10/14/25

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	9.75		8.00		122	70-130			

LCS (2542014-BS1)

Prepared: 10/13/25 Analyzed: 10/14/25

Benzene	3.89	0.0250	5.00		77.8	70-130			
Ethylbenzene	3.98	0.0250	5.00		79.6	70-130			
Toluene	3.96	0.0250	5.00		79.1	70-130			
o-Xylene	4.02	0.0250	5.00		80.4	70-130			
p,m-Xylene	8.08	0.0500	10.0		80.8	70-130			
Total Xylenes	12.1	0.0250	15.0		80.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.78		8.00		122	70-130			

Matrix Spike (2542014-MS1)

Source: E510116-04

Prepared: 10/13/25 Analyzed: 10/14/25

Benzene	4.56	0.0250	5.00	ND	91.2	70-130			
Ethylbenzene	4.67	0.0250	5.00	ND	93.4	70-130			
Toluene	4.63	0.0250	5.00	ND	92.7	70-130			
o-Xylene	4.64	0.0250	5.00	ND	92.8	70-130			
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.75		8.00		122	70-130			

Matrix Spike Dup (2542014-MSD1)

Source: E510116-04

Prepared: 10/13/25 Analyzed: 10/14/25

Benzene	4.34	0.0250	5.00	ND	86.9	70-130	4.91	27	
Ethylbenzene	4.46	0.0250	5.00	ND	89.3	70-130	4.59	26	
Toluene	4.42	0.0250	5.00	ND	88.4	70-130	4.76	20	
o-Xylene	4.44	0.0250	5.00	ND	88.9	70-130	4.37	25	
p,m-Xylene	9.03	0.0500	10.0	ND	90.3	70-130	4.43	23	
Total Xylenes	13.5	0.0250	15.0	ND	89.8	70-130	4.41	26	
Surrogate: 4-Bromochlorobenzene-PID	9.89		8.00		124	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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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 (2542014-BLK1)

Prepared: 10/13/25 Analyzed: 10/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.22		8.00		103	70-130			

LCS (2542014-BS2)

Prepared: 10/13/25 Analyzed: 10/14/25

Gasoline Range Organics (C6-C10)	57.3	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

Matrix Spike (2542014-MS2)

Source: E510116-04

Prepared: 10/13/25 Analyzed: 10/14/25

Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.55		8.00		107	70-130			

Matrix Spike Dup (2542014-MSD2)

Source: E510116-04

Prepared: 10/13/25 Analyzed: 10/14/25

Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130	0.0375	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.63		8.00		108	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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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 (2542002-BLK1)

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	40.5		50.0		80.9	61-141			

LCS (2542002-BS1)

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	234	25.0	250		93.8	66-144			
Surrogate: <i>n</i> -Nonane	42.9		50.0		85.7	61-141			

Matrix Spike (2542002-MS1)

Source: E510116-02

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	56-156			
Surrogate: <i>n</i> -Nonane	44.2		50.0		88.4	61-141			

Matrix Spike Dup (2542002-MSD1)

Source: E510116-02

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	56-156	1.20	20	
Surrogate: <i>n</i> -Nonane	43.9		50.0		87.7	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:03:31AM
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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 (2542013-BLK1)

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride	ND	20.0							
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LCS (2542013-BS1)

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride	254	20.0	250		101	90-110			
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Matrix Spike (2542013-MS1)

Source: E510116-05

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride	7830	100	250	7610	85.8	80-120			
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Matrix Spike Dup (2542013-MSD1)

Source: E510116-05

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride	7190	100	250	7610	NR	80-120	8.45	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/25 08:03
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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 Slot 1				Address: 3122 National Parks Hwy				E 510116		23003-0002					X	X																																												
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220				<table border="1"> <thead> <tr> <th colspan="8">Analysis and Method</th> <th colspan="4">EPA Program</th> </tr> <tr> <td rowspan="2">DRO/DRO by 8015</td> <td rowspan="2">GRO/DRO by 8015</td> <td rowspan="2">BTEX by 8021</td> <td rowspan="2">VOC by 8260</td> <td rowspan="2">Chloride 300.0</td> <td rowspan="2">TEQ 1005 - TX</td> <td rowspan="2">RCRA 8 Metals</td> <td rowspan="2">BGDOC - NM</td> <td rowspan="2">BGDOC - TX</td> <td>SDWA</td> <td>CWA</td> <td>RCRA</td> <td colspan="2">Compliance</td> </tr> <tr> <td>Y</td> <td>or</td> <td>N</td> <td></td> <td></td> </tr> <tr> <td colspan="12">PWSID #</td> <td>Sample Temp</td> <td>Remarks</td> </tr> </thead> </table>								Analysis and Method								EPA Program				DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance		Y	or	N			PWSID #												Sample Temp	Remarks
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Address: 3122 National Parks Hwy				Phone: 575-988-0055				Email: agiovengo@ensolum.com				Miscellaneous:																																																
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Email: agiovengo@ensolum.com																																																												
Sample Information																																																												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number																																																						
1000	10/9/2025	S	1	BH01 - 0'		1									X			3.8																																										
1002	10/9/2025	S	1	BH01 - 0.5'		2									X			3.7																																										
1004	10/9/2025	S	1	BH01 - 1'		3									X			3.3																																										
1006	10/9/2025	S	1	BH01 - 2'		4									X			3.6																																										
1008	10/9/2025	S	1	BH01 - 3'		5									X			3.9																																										
1010	10/9/2025	S	1	BH01 - 4'		6									X			4.1																																										
1014	10/9/2025	S	1	BH01 - 6'		7									X			3.6																																										
1018	10/9/2025	S	1	BH01 - 8'		8									X			3.5																																										
1030	10/9/2025	S	1	BH01 - 10'		9									X			3.2																																										
1040	10/9/2025	S	1	BH01 - 11'		10									X			3.4																																										
<p>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</p> <p>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.</p> <p>Sampled by: Jarad McCauley</p>																																																												
Relinquished by: (Signature) <i>JM</i>				Date: 10-10-25		Time: 0711		Received by: (Signature) <i>Michelle Gonzales</i>				Date: 10-10-25		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. Lab Use Only Received on ice: <i>Q/N</i>																																												
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date: 10-10-25		Time: 1430		Received by: (Signature) <i>Northrup</i>				Date: 10-10-25		Time: 1430																																														
Relinquished by: (Signature) <i>Northrup</i>				Date: 10-10-25		Time: 2400		Received by: (Signature) <i>Noe Soto</i>				Date: 10-13-25		Time: 0700																																														
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: 10/13/2025 12:59:22PM

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: 10/13/25 07:00	Work Order ID: E510116
Phone: (972) 371-5200	Date Logged In: 10/10/25 15:22	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 10/17/25 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

Clint remark on sample 10: Do not run for BGDOC unless BH01 - 10 is >100TPH or 600Cl.

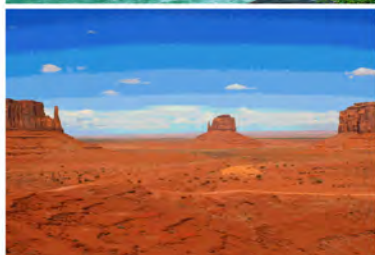
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan Slot 1

Work Order: E510117

Job Number: 23003-0002

Received: 10/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/17/25

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: 10/17/25

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



Project Name: John Callahan Slot 1
Workorder: E510117
Date Received: 10/13/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/13/2025 7:00:00AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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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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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/25 08:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-0'	E510117-01A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH03-0.5'	E510117-02A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH03-1'	E510117-03A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH03-2'	E510117-04A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH04-0'	E510117-05A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH04-0.5'	E510117-06A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH04-1'	E510117-07A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.
BH04-2'	E510117-08A	Soil	10/09/25	10/13/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:06:36AM
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BH03-0'

E510117-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2542015	
Benzene	ND	0.0250	1	10/13/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/13/25	
Toluene	ND	0.0250	1	10/13/25	10/13/25	
o-Xylene	ND	0.0250	1	10/13/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.3 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2542015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.0 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2542003	
Diesel Range Organics (C10-C28)	90.6	25.0	1	10/13/25	10/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/13/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	10/13/25	10/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2542013	
Chloride	87300	2000	100	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:06:36AM
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BH03-0.5'

E510117-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2542015
Benzene	ND	0.0250	1	10/13/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/13/25	
Toluene	ND	0.0250	1	10/13/25	10/13/25	
o-Xylene	ND	0.0250	1	10/13/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.7 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2542015
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.1 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542003
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/14/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	10/13/25	10/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	1440	40.0	2	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:06:36AM
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BH03-1'

E510117-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2542015
Benzene	ND	0.0250	1	10/13/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/13/25	
Toluene	ND	0.0250	1	10/13/25	10/13/25	
o-Xylene	ND	0.0250	1	10/13/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.9 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2542015
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.6 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542003
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/14/25	
<i>Surrogate: n-Nonane</i>						
		112 %	61-141	10/13/25	10/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	175	20.0	1	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:06:36AM
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BH04-0'

E510117-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2542015
Benzene	ND	0.0250	1	10/13/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/13/25	
Toluene	ND	0.0250	1	10/13/25	10/13/25	
o-Xylene	ND	0.0250	1	10/13/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.1 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2542015
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.9 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542003
Diesel Range Organics (C10-C28)	526	25.0	1	10/13/25	10/14/25	
Oil Range Organics (C28-C36)	835	50.0	1	10/13/25	10/14/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	10/13/25	10/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	11400	200	10	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:06:36AM
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BH04-0.5'

E510117-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2542015
Benzene	ND	0.0250	1	10/13/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/13/25	
Toluene	ND	0.0250	1	10/13/25	10/13/25	
o-Xylene	ND	0.0250	1	10/13/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.0 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2542015
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.1 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542003
Diesel Range Organics (C10-C28)	37.7	25.0	1	10/13/25	10/14/25	
Oil Range Organics (C28-C36)	80.1	50.0	1	10/13/25	10/14/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	10/13/25	10/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	635	20.0	1	10/13/25	10/13/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:06:36AM
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BH04-1'

E510117-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2542015
Benzene	ND	0.0250	1	10/13/25	10/13/25	
Ethylbenzene	ND	0.0250	1	10/13/25	10/13/25	
Toluene	ND	0.0250	1	10/13/25	10/13/25	
o-Xylene	ND	0.0250	1	10/13/25	10/13/25	
p,m-Xylene	ND	0.0500	1	10/13/25	10/13/25	
Total Xylenes	ND	0.0250	1	10/13/25	10/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.3 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2542015
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/25	10/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	10/13/25	10/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542003
Diesel Range Organics (C10-C28)	ND	25.0	1	10/13/25	10/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/13/25	10/14/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	10/13/25	10/14/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2542013
Chloride	23.1	20.0	1	10/13/25	10/14/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:06:36AM
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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 (2542015-BLK1)

Prepared: 10/13/25 Analyzed: 10/13/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			

LCS (2542015-BS1)

Prepared: 10/13/25 Analyzed: 10/13/25

Benzene	3.98	0.0250	5.00		79.5	70-130			
Ethylbenzene	3.88	0.0250	5.00		77.5	70-130			
Toluene	3.94	0.0250	5.00		78.7	70-130			
o-Xylene	3.95	0.0250	5.00		78.9	70-130			
p,m-Xylene	7.88	0.0500	10.0		78.8	70-130			
Total Xylenes	11.8	0.0250	15.0		78.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.8	70-130			

Matrix Spike (2542015-MS1)

Source: E510117-05

Prepared: 10/13/25 Analyzed: 10/13/25

Benzene	4.74	0.0250	5.00	ND	94.8	70-130			
Ethylbenzene	4.63	0.0250	5.00	ND	92.5	70-130			
Toluene	4.69	0.0250	5.00	ND	93.7	70-130			
o-Xylene	4.65	0.0250	5.00	ND	92.9	70-130			
p,m-Xylene	9.35	0.0500	10.0	ND	93.5	70-130			
Total Xylenes	14.0	0.0250	15.0	ND	93.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.2	70-130			

Matrix Spike Dup (2542015-MSD1)

Source: E510117-05

Prepared: 10/13/25 Analyzed: 10/13/25

Benzene	4.33	0.0250	5.00	ND	86.6	70-130	8.98	27	
Ethylbenzene	4.21	0.0250	5.00	ND	84.2	70-130	9.43	26	
Toluene	4.27	0.0250	5.00	ND	85.3	70-130	9.34	20	
o-Xylene	4.23	0.0250	5.00	ND	84.5	70-130	9.48	25	
p,m-Xylene	8.52	0.0500	10.0	ND	85.2	70-130	9.30	23	
Total Xylenes	12.7	0.0250	15.0	ND	85.0	70-130	9.36	26	
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:06:36AM
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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 (2542015-BLK1)

Prepared: 10/13/25 Analyzed: 10/13/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		89.9	70-130			

LCS (2542015-BS2)

Prepared: 10/13/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	56.8	20.0	50.0		114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130			

Matrix Spike (2542015-MS2)

Source: E510117-05

Prepared: 10/13/25 Analyzed: 10/13/25

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			

Matrix Spike Dup (2542015-MSD2)

Source: E510117-05

Prepared: 10/13/25 Analyzed: 10/13/25

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130	1.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:06:36AM
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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 (2542003-BLK1)

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.6		50.0		105	61-141			

LCS (2542003-BS1)

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	290	25.0	250		116	66-144			
Surrogate: <i>n</i> -Nonane	56.6		50.0		113	61-141			

Matrix Spike (2542003-MS1)

Source: E510117-03

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156			
Surrogate: <i>n</i> -Nonane	52.2		50.0		104	61-141			

Matrix Spike Dup (2542003-MSD1)

Source: E510117-03

Prepared: 10/13/25 Analyzed: 10/13/25

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156	1.22	20	
Surrogate: <i>n</i> -Nonane	52.8		50.0		106	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2025 8:06:36AM
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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 (2542013-BLK1)

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride ND 20.0

LCS (2542013-BS1)

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride 254 20.0 250 101 90-110

Matrix Spike (2542013-MS1)

Source: E510116-05

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride 7830 100 250 7610 85.8 80-120

Matrix Spike Dup (2542013-MSD1)

Source: E510116-05

Prepared: 10/13/25 Analyzed: 10/13/25

Chloride 7190 100 250 7610 NR 80-120 8.45 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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/25 08:06
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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 Slot 1				Address: 3122 National Parks Hwy				E 510117		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	TEEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
1100	10/9/2025	S	1	BH03 - 0'		1								X		3.5			
1102	10/9/2025	S	1	BH03 - 0.5'		2								X		3.1			
1104	10/9/2025	S	1	BH03 - 1'		3								X		3.9			Do not run for BGDOC unless BH03 - 0.5' is >100TPH or 600CI
1106	10/9/2025	S	1	BH03 - 2'		4								X		3.6			Do not run for BGDOC unless BH03 - 1' is >100TPH or 600CI
1120	10/9/2025	S	1	BH04 - 0'		5								X		3.7			
1122	10/9/2025	S	1	BH04 - 0.5'		6								X		3.3			
1124	10/9/2025	S	1	BH04 - 1'		7								X		3.5			Do not run for BGDOC unless BH04 - 0.5' is >100TPH or 600CI
1126	10/9/2025	S	1	BH04 - 2'		8								X		3.4			Do not run for BGDOC unless BH04 - 1' is >100TPH or 600CI
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: <input checked="" type="radio"/> Y <input type="radio"/> N			
<i>Jarad McCauley</i>				10-10-25		0711		<i>Michelle Gonzales</i>				10-10-25		0711					
<i>Michelle Gonzales</i>				10-12-25		1430		<i>Rudman Sample</i>				12-10-25		1430					
<i>Rudman Sample</i>				10-10-25		2400		<i>Nae Soto</i>				10-13-25		0700					
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: 10/13/2025 1:07:47PM

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: 10/13/25 07:00	Work Order ID: E510117
Phone: (972) 371-5200	Date Logged In: 10/10/25 15:25	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 10/17/25 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

Several client remarks for samples 3,4, 7 and 8. See COC for remarks.

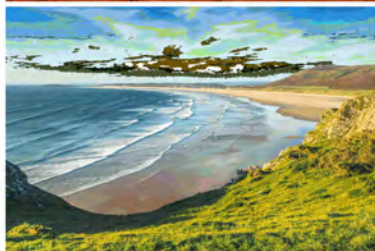
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan Slot 1

Work Order: E510134

Job Number: 23003-0002

Received: 10/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/25

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: 10/20/25

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



Project Name: John Callahan Slot 1
Workorder: E510134
Date Received: 10/14/2025 8:00:56AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2025 8:00:56AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/25 07:58
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05-0'	E510134-01A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH05-1'	E510134-02A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH05-2'	E510134-03A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 7:58:52AM
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BH05-0'
E510134-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542033
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.1 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2542076
Chloride	1420	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 7:58:52AM
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BH05-1'
E510134-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2542033
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2542033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2542058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: TP		Batch: 2542076
Chloride	426	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 7:58:52AM
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BH05-2'

E510134-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2542033
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		91.4 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542076
Chloride	82.5	20.0	1	10/15/25	10/15/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 7:58:52AM
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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 (2542033-BLK1)

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130			

LCS (2542033-BS1)

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	4.10	0.0250	5.00		81.9	70-130			
Ethylbenzene	4.34	0.0250	5.00		86.8	70-130			
Toluene	4.27	0.0250	5.00		85.4	70-130			
o-Xylene	4.34	0.0250	5.00		86.8	70-130			
p,m-Xylene	8.78	0.0500	10.0		87.8	70-130			
Total Xylenes	13.1	0.0250	15.0		87.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			

Matrix Spike (2542033-MS1)

Source: E510132-05

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	4.55	0.0250	5.00	ND	91.0	70-130			
Ethylbenzene	4.82	0.0250	5.00	ND	96.3	70-130			
Toluene	4.75	0.0250	5.00	ND	95.0	70-130			
o-Xylene	4.83	0.0250	5.00	ND	96.5	70-130			
p,m-Xylene	9.71	0.0500	10.0	ND	97.1	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			

Matrix Spike Dup (2542033-MSD1)

Source: E510132-05

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	4.37	0.0250	5.00	ND	87.4	70-130	4.11	27	
Ethylbenzene	4.65	0.0250	5.00	ND	92.9	70-130	3.62	26	
Toluene	4.56	0.0250	5.00	ND	91.2	70-130	4.00	20	
o-Xylene	4.68	0.0250	5.00	ND	93.6	70-130	3.05	25	
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	70-130	3.36	23	
Total Xylenes	14.1	0.0250	15.0	ND	93.8	70-130	3.26	26	
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 7:58:52AM
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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 (2542033-BLK1)

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			

LCS (2542033-BS2)

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike (2542033-MS2)

Source: E510132-05

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	56.5	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

Matrix Spike Dup (2542033-MSD2)

Source: E510132-05

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130	9.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 7:58:52AM
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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 (2542058-BLK1)

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.2		50.0		96.4	61-141			

LCS (2542058-BS1)

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	51.1		50.0		102	61-141			

Matrix Spike (2542058-MS1)

Source: E510134-01

Prepared: 10/15/25 Analyzed: 10/16/25

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156			
Surrogate: n-Nonane	50.9		50.0		102	61-141			

Matrix Spike Dup (2542058-MSD1)

Source: E510134-01

Prepared: 10/15/25 Analyzed: 10/16/25

Diesel Range Organics (C10-C28)	300	25.0	250	ND	120	56-156	9.06	20	
Surrogate: n-Nonane	54.8		50.0		110	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 7:58:52AM
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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 (2542076-BLK1)

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride ND 20.0

LCS (2542076-BS1)

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride 253 20.0 250 101 90-110

Matrix Spike (2542076-MS1)

Source: E510129-03

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride 291 20.0 250 37.9 101 80-120

Matrix Spike Dup (2542076-MSD1)

Source: E510129-03

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride 290 20.0 250 37.9 101 80-120 0.270 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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/25 07:58
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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 Slot 1				Address: 3122 National Parks Hwy				E510134		25030002					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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
1240	10-13-25	S	1	BH05-0'			1								X				2.0	
1241	1	S	1	BH05-1'			2								X				2.4	
1243	1	S	1	BH05-2'			3								X				2.6	

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: Eric Plugge						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					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>af</i>	10-13-25	1030	Michelle Gonzales	10-13-25	1030						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Michelle Gonzales	10-13-25	1430	Michelle Gonzales	10-13-25	1430						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Michelle Gonzales	10-13-25	1900	Andrew Musso	10-13-25	1900						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Andrew Musso	10-13-25	2330	Michelle Gonzales	10-14-25	800						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Andrew Musso	10-13-25	2330	Michelle Gonzales	10-14-25	800						

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: 10/14/2025 10:33:50AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 10/14/25 08:00 Work Order ID: E510134
Phone: (972) 371-5200 Date Logged In: 10/13/25 15:48 Logged In By: Joslyn Meidinger
Email: agiovengo@ensolum.com Due Date: 10/20/25 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 Slot 1

Work Order: E510135

Job Number: 23003-0002

Received: 10/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/25

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: 10/20/25



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

Project Name: John Callahan Slot 1
Workorder: E510135
Date Received: 10/14/2025 8:00:56AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2025 8:00:56AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/25 08:14
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-0'	E510135-01A	Solid	10/10/25	10/14/25	Glass Jar, 2 oz.
BH02-1'	E510135-02A	Solid	10/10/25	10/14/25	Glass Jar, 2 oz.
BH02-2'	E510135-03A	Solid	10/10/25	10/14/25	Glass Jar, 2 oz.
BH02-3'	E510135-04A	Solid	10/10/25	10/14/25	Glass Jar, 2 oz.
BH02-4'	E510135-05A	Solid	10/10/25	10/14/25	Glass Jar, 2 oz.
BH02-5'	E510135-06A	Solid	10/10/25	10/14/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:14:30AM
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BH02-0'

E510135-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.9 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.6 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.9 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.6 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2542058
Diesel Range Organics (C10-C28)	44.2	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		95.4 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2542079
Chloride	10900	200	10	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:14:30AM
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BH02-1'
E510135-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2542058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		92.5 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2542079
Chloride	479	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:14:30AM
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BH02-2'

E510135-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.1 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.1 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		98.7 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2542079
Chloride	117	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:14:30AM
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BH02-3'
E510135-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.9 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.9 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2542058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		98.8 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2542079
Chloride	75.6	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:14:30AM
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BH02-4'
E510135-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.5 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.3 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.5 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.3 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2542079
Chloride	ND	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:14:30AM
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BH02-5'

E510135-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		93.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		93.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		98.5 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542079
Chloride	ND	20.0	1	10/15/25	10/15/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:14:30AM
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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 (2542047-BLK1)

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.516		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		88.9		70-130		
Surrogate: Toluene-d8	0.483		0.500		96.6		70-130		

LCS (2542047-BS1)

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	2.40	0.0250	2.50		95.9		70-130		
Ethylbenzene	2.48	0.0250	2.50		99.1		70-130		
Toluene	2.40	0.0250	2.50		95.8		70-130		
o-Xylene	2.53	0.0250	2.50		101		70-130		
p,m-Xylene	5.20	0.0500	5.00		104		70-130		
Total Xylenes	7.72	0.0250	7.50		103		70-130		
Surrogate: Bromofluorobenzene	0.524		0.500		105		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.442		0.500		88.4		70-130		
Surrogate: Toluene-d8	0.478		0.500		95.5		70-130		

Matrix Spike (2542047-MS1)

Source: E510136-03

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	2.42	0.0250	2.50	ND	96.9		48-131		
Ethylbenzene	2.54	0.0250	2.50	ND	102		45-135		
Toluene	2.43	0.0250	2.50	ND	97.3		48-130		
o-Xylene	2.55	0.0250	2.50	ND	102		43-135		
p,m-Xylene	5.24	0.0500	5.00	ND	105		43-135		
Total Xylenes	7.79	0.0250	7.50	ND	104		43-135		
Surrogate: Bromofluorobenzene	0.520		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.442		0.500		88.4		70-130		
Surrogate: Toluene-d8	0.477		0.500		95.3		70-130		

Matrix Spike Dup (2542047-MSD1)

Source: E510136-03

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	2.53	0.0250	2.50	ND	101		48-131	4.40	23
Ethylbenzene	2.64	0.0250	2.50	ND	105		45-135	3.59	27
Toluene	2.52	0.0250	2.50	ND	101		48-130	3.47	24
o-Xylene	2.70	0.0250	2.50	ND	108		43-135	5.47	27
p,m-Xylene	5.58	0.0500	5.00	ND	112		43-135	6.33	27
Total Xylenes	8.28	0.0250	7.50	ND	110		43-135	6.05	27
Surrogate: Bromofluorobenzene	0.533		0.500		107		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		89.0		70-130		
Surrogate: Toluene-d8	0.481		0.500		96.1		70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:14:30AM
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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 (2542047-BLK1)

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		88.9	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			

LCS (2542047-BS2)

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.432		0.500		86.4	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

Matrix Spike (2542047-MS2)

Source: E510136-03

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.3	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			

Matrix Spike Dup (2542047-MSD2)

Source: E510136-03

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	56.1	20.0	50.0	ND	112	70-130	5.92	20	
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.4	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:14:30AM
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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 (2542058-BLK1)

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	48.2		50.0		96.4	61-141			

LCS (2542058-BS1)

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: <i>n</i> -Nonane	51.1		50.0		102	61-141			

Matrix Spike (2542058-MS1)

Source: E510134-01

Prepared: 10/15/25 Analyzed: 10/16/25

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156			
Surrogate: <i>n</i> -Nonane	50.9		50.0		102	61-141			

Matrix Spike Dup (2542058-MSD1)

Source: E510134-01

Prepared: 10/15/25 Analyzed: 10/16/25

Diesel Range Organics (C10-C28)	300	25.0	250	ND	120	56-156	9.06	20	
Surrogate: <i>n</i> -Nonane	54.8		50.0		110	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:14:30AM
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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 (2542079-BLK1)

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride	ND	20.0							
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LCS (2542079-BS1)

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride	255	20.0	250		102	90-110			
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Matrix Spike (2542079-MS1)

Source: E510135-06

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride	260	20.0	250	ND	104	80-120			
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Matrix Spike Dup (2542079-MSD1)

Source: E510135-06

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride	261	20.0	250	ND	105	80-120	0.513	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/25 08:14
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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 Slot 1				Address: 3122 National Parks Hwy				E010135		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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA			
															Compliance	Y	or	N		
															PWSID #					
															Sample Temp			Remarks		
0955	10-10-25	S	1	BH02-0-		1									X			3.6		
0957		S	1	BH02-1-		2									X			3.0		
0954		S	1	BH02-2-		3									X			2.4		
1000		S	1	BH02-3-		4									X			2.6		
1001		S	1	BH02-4-		5									X			2.8		
1003		S	1	BH02-5-		6									X			2.2		

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: Eric Plugge						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>af</i>	10-13-25	1030	Michelle Gonzales	10-13-25	1030						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Michelle Gonzales	10-13-25	1430	<i>North</i>	10-13-25	1430						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>North</i>	10-13-25	1900	Andrew Musso	10-13-25	1900						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Andrew Musso	10-13-25	2330	<i>Carth M</i>	10-14-25	800						
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: 10/14/2025 10:36:01AM

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: 10/14/25 08:00	Work Order ID: E510135
Phone: (972) 371-5200	Date Logged In: 10/13/25 15:52	Logged In By: Joslyn Meidinger
Email: agiovengo@ensolum.com	Due Date: 10/20/25 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 Slot 1

Work Order: E510136

Job Number: 23003-0002

Received: 10/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/25

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: 10/20/25

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

Project Name: John Callahan Slot 1
Workorder: E510136
Date Received: 10/14/2025 8:00:56AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2025 8:00:56AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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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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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/25 08:19
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06-0'	E510136-01A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH06-1'	E510136-02A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH06-2'	E510136-03A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH06-3'	E510136-04A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH06-4'	E510136-05A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH06-6'	E510136-06A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH06-8'	E510136-07A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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BH06-0'
E510136-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.3 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.3 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	90.6	25.0	1	10/15/25	10/15/25	
Oil Range Organics (C28-C36)	109	50.0	1	10/15/25	10/15/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	10/15/25	10/15/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2542079
Chloride	509	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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BH06-1'

E510136-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.1 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		94.9 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.1 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		94.9 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/15/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	10/15/25	10/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542079
Chloride	146	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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BH06-2'
E510136-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.0 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		94.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.0 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		94.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/15/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	10/15/25	10/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542079
Chloride	1630	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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BH06-3'

E510136-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.7 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.7 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2542079
Chloride	450	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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BH06-4'
E510136-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542079
Chloride	512	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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BH06-6'
E510136-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.7 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.4 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.7 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.4 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542079
Chloride	1560	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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BH06-8'
E510136-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.3 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2542047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.3 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2542079
Chloride	ND	20.0	1	10/15/25	10/15/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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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 (2542047-BLK1)

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.516		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		88.9		70-130		
Surrogate: Toluene-d8	0.483		0.500		96.6		70-130		

LCS (2542047-BS1)

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	2.40	0.0250	2.50		95.9		70-130		
Ethylbenzene	2.48	0.0250	2.50		99.1		70-130		
Toluene	2.40	0.0250	2.50		95.8		70-130		
o-Xylene	2.53	0.0250	2.50		101		70-130		
p,m-Xylene	5.20	0.0500	5.00		104		70-130		
Total Xylenes	7.72	0.0250	7.50		103		70-130		
Surrogate: Bromofluorobenzene	0.524		0.500		105		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.442		0.500		88.4		70-130		
Surrogate: Toluene-d8	0.478		0.500		95.5		70-130		

Matrix Spike (2542047-MS1)

Source: E510136-03

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	2.42	0.0250	2.50	ND	96.9		48-131		
Ethylbenzene	2.54	0.0250	2.50	ND	102		45-135		
Toluene	2.43	0.0250	2.50	ND	97.3		48-130		
o-Xylene	2.55	0.0250	2.50	ND	102		43-135		
p,m-Xylene	5.24	0.0500	5.00	ND	105		43-135		
Total Xylenes	7.79	0.0250	7.50	ND	104		43-135		
Surrogate: Bromofluorobenzene	0.520		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.442		0.500		88.4		70-130		
Surrogate: Toluene-d8	0.477		0.500		95.3		70-130		

Matrix Spike Dup (2542047-MSD1)

Source: E510136-03

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	2.53	0.0250	2.50	ND	101		48-131	4.40	23
Ethylbenzene	2.64	0.0250	2.50	ND	105		45-135	3.59	27
Toluene	2.52	0.0250	2.50	ND	101		48-130	3.47	24
o-Xylene	2.70	0.0250	2.50	ND	108		43-135	5.47	27
p,m-Xylene	5.58	0.0500	5.00	ND	112		43-135	6.33	27
Total Xylenes	8.28	0.0250	7.50	ND	110		43-135	6.05	27
Surrogate: Bromofluorobenzene	0.533		0.500		107		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		89.0		70-130		
Surrogate: Toluene-d8	0.481		0.500		96.1		70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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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 (2542047-BLK1)

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		88.9	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			

LCS (2542047-BS2)

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.432		0.500		86.4	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

Matrix Spike (2542047-MS2)

Source: E510136-03

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.3	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			

Matrix Spike Dup (2542047-MSD2)

Source: E510136-03

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	56.1	20.0	50.0	ND	112	70-130	5.92	20	
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.4	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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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 (2542062-BLK1)

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	51.6		50.0		103	61-141			

LCS (2542062-BS1)

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	279	25.0	250		112	66-144			
Surrogate: <i>n</i> -Nonane	53.3		50.0		107	61-141			

Matrix Spike (2542062-MS1)

Source: E510137-05

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156			
Surrogate: <i>n</i> -Nonane	54.9		50.0		110	61-141			

Matrix Spike Dup (2542062-MSD1)

Source: E510137-05

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	56-156	0.416	20	
Surrogate: <i>n</i> -Nonane	55.1		50.0		110	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:19:17AM
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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 (2542079-BLK1)

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride	ND	20.0							
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LCS (2542079-BS1)

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride	255	20.0	250		102	90-110			
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Matrix Spike (2542079-MS1)

Source: E510135-06

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride	260	20.0	250	ND	104	80-120			
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Matrix Spike Dup (2542079-MSD1)

Source: E510135-06

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride	261	20.0	250	ND	105	80-120	0.513	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/25 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.



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 Slot 1				Address: 3122 National Parks Hwy				EES10130		23003-0007					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	TCEQ 1008 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
1303	10-10-26	S	1	BHole - 0'			1							X		2.0				
1304		S	1	BHole - 1'			2							X		2.4				
1306		S	1	BHole - 2'			3							X		1.8				
1350		S	1	BHole - 3'			4							X		1.6				
1351		S	1	BHole - 4'			5							X		3.2				
1421		S	1	BHole - 6'			6							X		3.0				
1440		S	1	BHole - 8'			7							X		2.8				

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

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

Sampled by: Eric Plugge						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>EP</i>	10-13-25	1030	<i>Michelle Gonzales</i>	10-13-25	1030						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	10-13-25	1430	<i>Matthew Suggs</i>	10-13-25	1430						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Matthew Suggs</i>	10-13-25	1900	<i>Andrew Musso</i>	10-13-25	1900						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Andrew Musso</i>	10-13-25	2330	<i>Cathy Ma</i>	10-14-25	800						
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: 10/14/2025 10:41:51AM

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: 10/14/25 08:00 Work Order ID: E510136
Phone: (972) 371-5200 Date Logged In: 10/13/25 15:59 Logged In By: Joslyn Meidinger
Email: agiovengo@ensolum.com Due Date: 10/20/25 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:

Client Instruction

Empty box for client instruction.

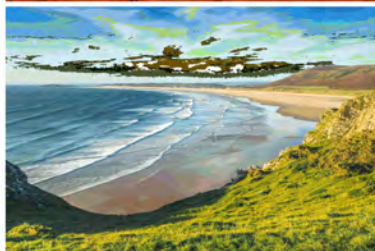
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan Slot 1

Work Order: E510137

Job Number: 23003-0002

Received: 10/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/25

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: 10/20/25

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



Project Name: John Callahan Slot 1
Workorder: E510137
Date Received: 10/14/2025 8:00:56AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2025 8:00:56AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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)
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/25 08:34
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07-0'	E510137-01A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH07-1'	E510137-02A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH07-2'	E510137-03A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH07-3'	E510137-04A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH07-4'	E510137-05A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH07-6'	E510137-06A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH07-8'	E510137-07A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH07-10'	E510137-08A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.
BH07-12.5'	E510137-09A	Soil	10/10/25	10/14/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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BH07-0'

E510137-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL		Batch: 2542048	
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	

<i>Surrogate: Bromofluorobenzene</i>	106 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	87.7 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>	96.1 %	70-130	10/14/25	10/15/25	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2542048	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>	106 %	70-130	10/14/25	10/15/25		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	87.7 %	70-130	10/14/25	10/15/25		
<i>Surrogate: Toluene-d8</i>	96.1 %	70-130	10/14/25	10/15/25		

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2542062	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>	109 %	61-141	10/15/25	10/16/25		

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2542081	
Chloride	1010	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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BH07-1'
E510137-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.6 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.6 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542081
Chloride	1400	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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BH07-2'
E510137-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.0 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.1 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.0 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.1 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542081
Chloride	1250	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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BH07-3'

E510137-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.4 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.5 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.4 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.5 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542081
Chloride	678	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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BH07-4'

E510137-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.2 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.2 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542081
Chloride	1130	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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BH07-6'
E510137-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.7 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.7 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542081
Chloride	1110	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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BH07-8'
E510137-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.8 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.8 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542081
Chloride	2260	20.0	1	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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BH07-10'

E510137-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.0 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.1 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.0 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.1 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542081
Chloride	6020	100	5	10/15/25	10/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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BH07-12.5'

E510137-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Benzene	ND	0.0250	1	10/14/25	10/15/25	
Ethylbenzene	ND	0.0250	1	10/14/25	10/15/25	
Toluene	ND	0.0250	1	10/14/25	10/15/25	
o-Xylene	ND	0.0250	1	10/14/25	10/15/25	
p,m-Xylene	ND	0.0500	1	10/14/25	10/15/25	
Total Xylenes	ND	0.0250	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.4 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2542048
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/25	10/15/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	10/14/25	10/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	10/14/25	10/15/25	
<i>Surrogate: Toluene-d8</i>		95.4 %	70-130	10/14/25	10/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2542062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/15/25	10/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/15/25	10/16/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	10/15/25	10/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2542081
Chloride	1800	20.0	1	10/15/25	10/15/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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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 (2542048-BLK1)

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.437		0.500		87.3	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			

LCS (2542048-BS1)

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	2.43	0.0250	2.50		97.1	70-130			
Ethylbenzene	2.54	0.0250	2.50		102	70-130			
Toluene	2.45	0.0250	2.50		98.1	70-130			
o-Xylene	2.61	0.0250	2.50		105	70-130			
p,m-Xylene	5.40	0.0500	5.00		108	70-130			
Total Xylenes	8.02	0.0250	7.50		107	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.442		0.500		88.3	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

Matrix Spike (2542048-MS1)

Source: E510138-03

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	2.33	0.0250	2.50	ND	93.1	48-131			
Ethylbenzene	2.42	0.0250	2.50	ND	96.8	45-135			
Toluene	2.33	0.0250	2.50	ND	93.3	48-130			
o-Xylene	2.55	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135			
Total Xylenes	7.79	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.1	70-130			

Matrix Spike Dup (2542048-MSD1)

Source: E510138-03

Prepared: 10/14/25 Analyzed: 10/15/25

Benzene	2.13	0.0250	2.50	ND	85.4	48-131	8.65	23	
Ethylbenzene	2.21	0.0250	2.50	ND	88.3	45-135	9.21	27	
Toluene	2.10	0.0250	2.50	ND	84.2	48-130	10.2	24	
o-Xylene	2.29	0.0250	2.50	ND	91.5	43-135	11.0	27	
p,m-Xylene	4.71	0.0500	5.00	ND	94.2	43-135	10.5	27	
Total Xylenes	7.00	0.0250	7.50	ND	93.3	43-135	10.7	27	
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.477		0.500		95.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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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 (2542048-BLK1)

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.437		0.500		87.3	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			

LCS (2542048-BS2)

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0		98.8	70-130			
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			

Matrix Spike (2542048-MS2)

Source: E510138-03

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.5	70-130			
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.3	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			

Matrix Spike Dup (2542048-MSD2)

Source: E510138-03

Prepared: 10/14/25 Analyzed: 10/15/25

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.1	70-130	2.55	20	
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.1	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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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 (2542062-BLK1)

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	51.6		50.0		103	61-141			

LCS (2542062-BS1)

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	279	25.0	250		112	66-144			
Surrogate: <i>n</i> -Nonane	53.3		50.0		107	61-141			

Matrix Spike (2542062-MS1)

Source: E510137-05

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156			
Surrogate: <i>n</i> -Nonane	54.9		50.0		110	61-141			

Matrix Spike Dup (2542062-MSD1)

Source: E510137-05

Prepared: 10/15/25 Analyzed: 10/15/25

Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	56-156	0.416	20	
Surrogate: <i>n</i> -Nonane	55.1		50.0		110	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/2025 8:34:04AM
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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 (2542081-BLK1)

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride ND 20.0

LCS (2542081-BS1)

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride 253 20.0 250 101 90-110

Matrix Spike (2542081-MS1)

Source: E510137-05

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride 1230 20.0 250 1130 39.0 80-120 M4

Matrix Spike Dup (2542081-MSD1)

Source: E510137-05

Prepared: 10/15/25 Analyzed: 10/15/25

Chloride 1420 20.0 250 1130 116 80-120 14.5 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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/20/25 08:34
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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#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: John Callahan Slot 1				Address: 3122 National Parks Hwy				B01037		2023-002					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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	
1104	10-10-25	S	1	BH07-0'		1							X		32							
1107		S	1	BH07-1'		2							X		3.0							
1109		S	1	BH07-2'		3							X		2.6							
1118		S	1	BH07-3'		4							X		2.4							
1119		S	1	BH07-4'		5							X		2.8							
1144		S	1	BH07-6'		6							X		2.6							
1140		S	1	BH07-8'		7							X		2.2							
1215		S	1	BH07-10'		8							X		2.4							
1249		S	1	BH07-12.5'		9							X		2.0							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, lestellia@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																						
Sampled by: Eric Plugge																						
Relinquished by: (Signature) <i>EP</i>		Date 10-13-25		Time 1030		Received by: (Signature) <i>Michelle Gonzales</i>		Date 10-13-25		Time 1030		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: O/N										
Relinquished by: (Signature) <i>Michelle Gonzales</i>		Date 10-13-25		Time 1430		Received by: (Signature) <i>Nathan Musso</i>		Date 10-13-25		Time 1430												
Relinquished by: (Signature) <i>Nathan Musso</i>		Date 10-13-25		Time 1900		Received by: (Signature) <i>Andrew Musso</i>		Date 10-13-25		Time 1900												
Relinquished by: (Signature) <i>Andrew Musso</i>		Date 10-13-25		Time 2330		Received by: (Signature) <i>Carthie Mor</i>		Date 10-14-25		Time 800												
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: 10/14/2025 10:44:28AM

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: 10/14/25 08:00 Work Order ID: E510137
Phone: (972) 371-5200 Date Logged In: 10/13/25 16:06 Logged In By: Joslyn Meidinger
Email: agiovengo@ensolum.com Due Date: 10/20/25 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:

Client Instruction

Empty box for client instruction.

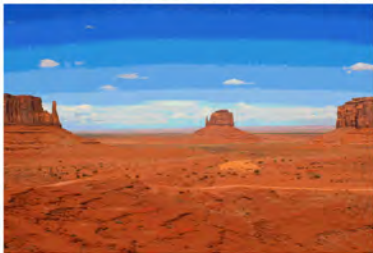
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan Slot 1

Work Order: E511302

Job Number: 23003-0002

Received: 11/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/1/25

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: 12/1/25

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



Project Name: John Callahan Slot 1
Workorder: E511302
Date Received: 11/21/2025 8:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/21/2025 8:45:00AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/01/25 10:59
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05-0'	E511302-01A	Soil	11/19/25	11/21/25	Glass Jar, 2 oz.
SS05-1'	E511302-02A	Soil	11/19/25	11/21/25	Glass Jar, 2 oz.
SS09-0'	E511302-03A	Soil	11/19/25	11/21/25	Glass Jar, 2 oz.
SS09-1'	E511302-04A	Soil	11/19/25	11/21/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/1/2025 10:59:13AM
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SS05-0'

E511302-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2547127
Benzene	ND	0.0250	1	11/21/25	11/22/25	
Ethylbenzene	ND	0.0250	1	11/21/25	11/22/25	
Toluene	ND	0.0250	1	11/21/25	11/22/25	
o-Xylene	ND	0.0250	1	11/21/25	11/22/25	
p,m-Xylene	ND	0.0500	1	11/21/25	11/22/25	
Total Xylenes	ND	0.0250	1	11/21/25	11/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	11/21/25	11/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2547127
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/25	11/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	11/21/25	11/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2547113
Diesel Range Organics (C10-C28)	30.3	25.0	1	11/21/25	11/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/25	11/22/25	
<i>Surrogate: n-Nonane</i>		89.5 %	61-141	11/21/25	11/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2547125
Chloride	321	20.0	1	11/21/25	11/21/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/1/2025 10:59:13AM
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SS05-1'

E511302-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2547127
Benzene	ND	0.0250	1	11/21/25	11/22/25	
Ethylbenzene	ND	0.0250	1	11/21/25	11/22/25	
Toluene	ND	0.0250	1	11/21/25	11/22/25	
o-Xylene	ND	0.0250	1	11/21/25	11/22/25	
p,m-Xylene	ND	0.0500	1	11/21/25	11/22/25	
Total Xylenes	ND	0.0250	1	11/21/25	11/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	11/21/25	11/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2547127
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/25	11/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	11/21/25	11/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2547113
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/25	11/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/25	11/22/25	
<i>Surrogate: n-Nonane</i>		91.4 %	61-141	11/21/25	11/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2547125
Chloride	145	20.0	1	11/21/25	11/21/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/1/2025 10:59:13AM
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SS09-0'

E511302-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2547127
Benzene	ND	0.0250	1	11/21/25	11/22/25	
Ethylbenzene	ND	0.0250	1	11/21/25	11/22/25	
Toluene	ND	0.0250	1	11/21/25	11/22/25	
o-Xylene	ND	0.0250	1	11/21/25	11/22/25	
p,m-Xylene	ND	0.0500	1	11/21/25	11/22/25	
Total Xylenes	ND	0.0250	1	11/21/25	11/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	11/21/25	11/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2547127
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/25	11/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	11/21/25	11/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2547113
Diesel Range Organics (C10-C28)	42.8	25.0	1	11/21/25	11/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/25	11/22/25	
<i>Surrogate: n-Nonane</i>		95.1 %	61-141	11/21/25	11/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2547125
Chloride	213	20.0	1	11/21/25	11/21/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/1/2025 10:59:13AM
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SS09-1'

E511302-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2547127
Benzene	ND	0.0250	1	11/21/25	11/22/25	
Ethylbenzene	ND	0.0250	1	11/21/25	11/22/25	
Toluene	ND	0.0250	1	11/21/25	11/22/25	
o-Xylene	ND	0.0250	1	11/21/25	11/22/25	
p,m-Xylene	ND	0.0500	1	11/21/25	11/22/25	
Total Xylenes	ND	0.0250	1	11/21/25	11/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/21/25	11/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2547127
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/25	11/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		108 %	70-130	11/21/25	11/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2547113
Diesel Range Organics (C10-C28)	ND	25.0	1	11/21/25	11/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/21/25	11/22/25	
<i>Surrogate: n-Nonane</i>		89.2 %	61-141	11/21/25	11/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2547125
Chloride	42.5	20.0	1	11/21/25	11/21/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/1/2025 10:59:13AM
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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 (2547127-BLK1)

Prepared: 11/21/25 Analyzed: 11/22/25

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	8.27		8.00		103	70-130			

LCS (2547127-BS1)

Prepared: 11/21/25 Analyzed: 11/22/25

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.8	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.98	0.0250	5.00		99.5	70-130			
p,m-Xylene	9.98	0.0500	10.0		99.8	70-130			
Total Xylenes	15.0	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.37		8.00		105	70-130			

Matrix Spike (2547127-MS1)

Source: E511305-09

Prepared: 11/21/25 Analyzed: 11/24/25

Benzene	55.2	0.250	50.0	14.1	82.3	70-130			
Ethylbenzene	94.7	0.250	50.0	58.3	72.6	70-130			
Toluene	132	0.250	50.0	98.6	66.9	70-130			M2
o-Xylene	72.8	0.250	50.0	33.5	78.6	70-130			
p,m-Xylene	161	0.500	100	84.6	76.4	70-130			
Total Xylenes	234	0.250	150	118	77.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	94.6		80.0		118	70-130			

Matrix Spike Dup (2547127-MSD1)

Source: E511305-09

Prepared: 11/21/25 Analyzed: 11/24/25

Benzene	58.7	0.250	50.0	14.1	89.3	70-130	6.11	27	
Ethylbenzene	102	0.250	50.0	58.3	86.9	70-130	7.26	26	
Toluene	143	0.250	50.0	98.6	88.5	70-130	7.88	20	
o-Xylene	77.8	0.250	50.0	33.5	88.5	70-130	6.61	25	
p,m-Xylene	172	0.500	100	84.6	87.5	70-130	6.69	23	
Total Xylenes	250	0.250	150	118	87.9	70-130	6.67	26	
Surrogate: 4-Bromochlorobenzene-PID	97.1		80.0		121	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/1/2025 10:59:13AM
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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 (2547127-BLK1)

Prepared: 11/21/25 Analyzed: 11/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.30		8.00		104	70-130			

LCS (2547127-BS2)

Prepared: 11/21/25 Analyzed: 11/22/25

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.28		8.00		104	70-130			

Matrix Spike (2547127-MS2)

Source: E511305-09

Prepared: 11/21/25 Analyzed: 11/24/25

Gasoline Range Organics (C6-C10)	2220	200	500	1550	133	70-130			M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	100		80.0		125	70-130			

Matrix Spike Dup (2547127-MSD2)

Source: E511305-09

Prepared: 11/21/25 Analyzed: 11/24/25

Gasoline Range Organics (C6-C10)	2130	200	500	1550	115	70-130	4.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103		80.0		128	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/1/2025 10:59:13AM
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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 (2547113-BLK1)

Prepared: 11/21/25 Analyzed: 11/22/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.5		50.0		95.0	61-141			

LCS (2547113-BS1)

Prepared: 11/21/25 Analyzed: 11/22/25

Diesel Range Organics (C10-C28)	226	25.0	250		90.5	66-144			
Surrogate: <i>n</i> -Nonane	45.2		50.0		90.4	61-141			

Matrix Spike (2547113-MS1)

Source: E511301-02

Prepared: 11/21/25 Analyzed: 11/22/25

Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.5	56-156			
Surrogate: <i>n</i> -Nonane	46.0		50.0		92.1	61-141			

Matrix Spike Dup (2547113-MSD1)

Source: E511301-02

Prepared: 11/21/25 Analyzed: 11/22/25

Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.8	56-156	4.57	20	
Surrogate: <i>n</i> -Nonane	45.7		50.0		91.3	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/1/2025 10:59:13AM
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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 (2547125-BLK1)

Prepared: 11/21/25 Analyzed: 11/21/25

Chloride ND 20.0

LCS (2547125-BS1)

Prepared: 11/21/25 Analyzed: 11/21/25

Chloride 257 20.0 250 103 90-110

Matrix Spike (2547125-MS1)

Source: E511302-03

Prepared: 11/21/25 Analyzed: 11/21/25

Chloride 473 20.0 250 213 104 80-120

Matrix Spike Dup (2547125-MSD1)

Source: E511302-03

Prepared: 11/21/25 Analyzed: 11/21/25

Chloride 473 20.0 250 213 104 80-120 0.0801 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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/01/25 10:59
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M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



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 Slot 1				Address: 3122 National Parks Hwy				E511302		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	TCEQ 1005 - TX	RCRA 8 Metals	BIGDOC - NM	BIGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
1256	11/19/25	S	1	SS05-0			1							X		2.1			
1310	11/19/25	S	1	SS05-1			2							X		3.4			
1334	11/19/25	S	1	SS09-0			3							X		3.0			
1366	11/19/25	S	1	SS09-1			4							X		1.3			
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: Eric Plugge																			
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													
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														
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: 11/21/2025 1:15:47PM

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: 11/21/25 08:45	Work Order ID: E511302
Phone: (972) 371-5200	Date Logged In: 11/20/25 15:07	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 12/01/25 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 Slot 1

Work Order: E511352

Job Number: 23003-0002

Received: 11/25/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/2/25

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: 12/2/25



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

Project Name: John Callahan Slot 1
Workorder: E511352
Date Received: 11/25/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/25/2025 7:30:00AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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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 Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/02/25 16:47
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07-0	E511352-01A	Soil	11/21/25	11/25/25	Glass Jar, 2 oz.
SS07-1	E511352-02A	Soil	11/21/25	11/25/25	Glass Jar, 2 oz.
SS08-0	E511352-03A	Soil	11/21/25	11/25/25	Glass Jar, 2 oz.
SS08-1	E511352-04A	Soil	11/21/25	11/25/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/2/2025 4:47:46PM
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SS07-0

E511352-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2548035
Benzene	ND	0.0250	1	11/25/25	12/01/25	
Ethylbenzene	ND	0.0250	1	11/25/25	12/01/25	
Toluene	ND	0.0250	1	11/25/25	12/01/25	
o-Xylene	ND	0.0250	1	11/25/25	12/01/25	
p,m-Xylene	ND	0.0500	1	11/25/25	12/01/25	
Total Xylenes	ND	0.0250	1	11/25/25	12/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	11/25/25	12/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2548035
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/25/25	12/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	11/25/25	12/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2548031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/25/25	11/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/25/25	11/25/25	
<i>Surrogate: n-Nonane</i>		97.3 %	61-141	11/25/25	11/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2548038
Chloride	536	20.0	1	11/25/25	11/25/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/2/2025 4:47:46PM
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SS07-1

E511352-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2548035
Benzene	ND	0.0250	1	11/25/25	12/01/25	
Ethylbenzene	ND	0.0250	1	11/25/25	12/01/25	
Toluene	ND	0.0250	1	11/25/25	12/01/25	
o-Xylene	ND	0.0250	1	11/25/25	12/01/25	
p,m-Xylene	ND	0.0500	1	11/25/25	12/01/25	
Total Xylenes	ND	0.0250	1	11/25/25	12/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	11/25/25	12/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2548035
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/25/25	12/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	11/25/25	12/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2548031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/25/25	11/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/25/25	11/25/25	
<i>Surrogate: n-Nonane</i>		98,3 %	61-141	11/25/25	11/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2548038
Chloride	50.2	20.0	1	11/25/25	11/25/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/2/2025 4:47:46PM
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SS08-0

E511352-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2548035
Benzene	ND	0.0250	1	11/25/25	12/01/25	
Ethylbenzene	ND	0.0250	1	11/25/25	12/01/25	
Toluene	ND	0.0250	1	11/25/25	12/01/25	
o-Xylene	ND	0.0250	1	11/25/25	12/01/25	
p,m-Xylene	ND	0.0500	1	11/25/25	12/01/25	
Total Xylenes	ND	0.0250	1	11/25/25	12/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	11/25/25	12/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2548035
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/25/25	12/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	11/25/25	12/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2548031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/25/25	11/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/25/25	11/25/25	
<i>Surrogate: n-Nonane</i>		93.0 %	61-141	11/25/25	11/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2548038
Chloride	ND	20.0	1	11/25/25	11/25/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/2/2025 4:47:46PM
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SS08-1

E511352-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2548035
Benzene	ND	0.0250	1	11/25/25	12/01/25	
Ethylbenzene	ND	0.0250	1	11/25/25	12/01/25	
Toluene	ND	0.0250	1	11/25/25	12/01/25	
o-Xylene	ND	0.0250	1	11/25/25	12/01/25	
p,m-Xylene	ND	0.0500	1	11/25/25	12/01/25	
Total Xylenes	ND	0.0250	1	11/25/25	12/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	11/25/25	12/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2548035
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/25/25	12/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	11/25/25	12/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2548031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/25/25	11/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/25/25	11/25/25	
<i>Surrogate: n-Nonane</i>		95.5 %	61-141	11/25/25	11/25/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2548038
Chloride	50.2	20.0	1	11/25/25	11/25/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/2/2025 4:47:46PM
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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 (2548035-BLK1)

Prepared: 11/25/25 Analyzed: 12/01/25

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	8.04		8.00		100	70-130			

LCS (2548035-BS1)

Prepared: 11/25/25 Analyzed: 12/01/25

Benzene	4.47	0.0250	5.00		89.4	70-130			
Ethylbenzene	4.22	0.0250	5.00		84.4	70-130			
Toluene	4.40	0.0250	5.00		88.0	70-130			
o-Xylene	4.40	0.0250	5.00		88.0	70-130			
p,m-Xylene	8.68	0.0500	10.0		86.8	70-130			
Total Xylenes	13.1	0.0250	15.0		87.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

Matrix Spike (2548035-MS1)

Source: E511353-02

Prepared: 11/25/25 Analyzed: 12/01/25

Benzene	5.14	0.0250	5.00	ND	103	70-130			
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	70-130			
Toluene	5.06	0.0250	5.00	ND	101	70-130			
o-Xylene	4.98	0.0250	5.00	ND	99.6	70-130			
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			

Matrix Spike Dup (2548035-MSD1)

Source: E511353-02

Prepared: 11/25/25 Analyzed: 12/01/25

Benzene	5.02	0.0250	5.00	ND	100	70-130	2.30	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.3	70-130	1.39	26	
Toluene	4.97	0.0250	5.00	ND	99.4	70-130	1.90	20	
o-Xylene	4.91	0.0250	5.00	ND	98.2	70-130	1.41	25	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130	1.33	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.4	70-130	1.36	26	
Surrogate: 4-Bromochlorobenzene-PID	8.47		8.00		106	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/2/2025 4:47:46PM
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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 (2548035-BLK1)

Prepared: 11/25/25 Analyzed: 12/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.28		8.00		103	70-130			

LCS (2548035-BS2)

Prepared: 11/25/25 Analyzed: 12/01/25

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.40		8.00		105	70-130			

Matrix Spike (2548035-MS2)

Source: E511353-02

Prepared: 11/25/25 Analyzed: 12/01/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.70		8.00		109	70-130			

Matrix Spike Dup (2548035-MSD2)

Source: E511353-02

Prepared: 11/25/25 Analyzed: 12/01/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130	0.0304	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.63		8.00		108	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/2/2025 4:47:46PM
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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 (2548031-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	50.8		50.0		102	61-141			

LCS (2548031-BS1)

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

Diesel Range Organics (C10-C28)	267	25.0	250		107	66-144			
Surrogate: <i>n-Nonane</i>	45.7		50.0		91.5	61-141			

Matrix Spike (2548031-MS1)

Source: E511356-04

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

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: <i>n-Nonane</i>	45.6		50.0		91.3	61-141			

Matrix Spike Dup (2548031-MSD1)

Source: E511356-04

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

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	0.0959	20	
Surrogate: <i>n-Nonane</i>	46.5		50.0		93.1	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/2/2025 4:47:46PM
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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 (2548038-BLK1)

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

Chloride ND 20.0

LCS (2548038-BS1)

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

Chloride 252 20.0 250 101 90-110

Matrix Spike (2548038-MS1)

Source: E511348-01

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

Chloride 256 20.0 250 ND 103 80-120

Matrix Spike Dup (2548038-MSD1)

Source: E511348-01

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

Chloride 257 20.0 250 ND 103 80-120 0.399 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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/02/25 16:47
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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 Slot 1				Address: 3122 National Parks Hwy				E511352		23003-0002					x	X																																																																																																												
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220				<table border="1"> <thead> <tr> <th colspan="8">Analysis and Method</th> <th colspan="4">EPA Program</th> </tr> <tr> <td rowspan="2">DRO/ORO by 8015</td> <td rowspan="2">GRO/DRO by 8015</td> <td rowspan="2">BTEX by 8021</td> <td rowspan="2">VOC by 8260</td> <td rowspan="2">TCEQ 1005 - TX</td> <td rowspan="2">RCRA 8 Metals</td> <td rowspan="2">BEGDOC - NM</td> <td rowspan="2">BEGDOC - TX</td> <td>SDWA</td> <td>CWA</td> <td colspan="2">RCRA</td> </tr> <tr> <td>Compliance</td> <td>Y</td> <td>or</td> <td>N</td> </tr> <tr> <td colspan="8">PWSID #</td> <td>Sample Temp</td> <td colspan="4">Remarks</td> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>0.5</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>0.9</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>0.9</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>2.4</td><td></td> </tr> </tbody> </table>								Analysis and Method								EPA Program				DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCRA 8 Metals	BEGDOC - NM	BEGDOC - TX	SDWA	CWA	RCRA		Compliance	Y	or	N	PWSID #								Sample Temp	Remarks																0.5														0.9														0.9														2.4		Phone: 575-988-0055				Email: agiovengo@ensolum.com				Miscellaneous:			
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1024	11/21/25	S	1	SS07-1			2							X		0.9																																																																																																												
1205	11/21/25	S	1	SS08-0			3							X		0.9																																																																																																												
1215	11/21/25	S	1	SS08-1			4							X		2.4																																																																																																												
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: Eric Plugge																																																																																																																												
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>UP</i>	11-24-25	711	<i>Michelle Gonzales</i>	11-24-25	0711																																																																																																																							
<i>Michelle Gonzales</i>	11-24-25	1245	<i>Marissa Gonzales</i>	11-24-25	1245																																																																																																																							
<i>Marissa Gonzales</i>	11-24-25	1710	<i>Bob</i>	11-24-25	1710																																																																																																																							
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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: 11/25/2025 9:39:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 11/25/25 07:30 Work Order ID: E511352
Phone: (972) 371-5200 Date Logged In: 11/24/25 15:03 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 12/03/25 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 Slot 1

Work Order: E602090

Job Number: 23003-0002

Received: 2/7/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/13/26

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: 2/13/26

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



Project Name: John Callahan Slot 1
Workorder: E602090
Date Received: 2/7/2026 10:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/7/2026 10:15:00AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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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Laboratory Technical Representative
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Client Representative
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mgonzales@envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 02/13/26 07:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07-14'	E602090-01A	Soil	02/05/26	02/07/26	Glass Jar, 2 oz.
BH07-16'	E602090-02A	Soil	02/05/26	02/07/26	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/13/2026 7:50:10AM
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BH07-14'

E602090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2606166
Benzene	ND	0.0250	1	02/07/26	02/08/26	
Ethylbenzene	ND	0.0250	1	02/07/26	02/08/26	
Toluene	ND	0.0250	1	02/07/26	02/08/26	
o-Xylene	ND	0.0250	1	02/07/26	02/08/26	
p,m-Xylene	ND	0.0500	1	02/07/26	02/08/26	
Total Xylenes	ND	0.0250	1	02/07/26	02/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.3 %	70-130	02/07/26	02/08/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2606166
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/26	02/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	70-130	02/07/26	02/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2607035
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/26	02/11/26	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/26	02/11/26	
<i>Surrogate: n-Nonane</i>		104 %	61-141	02/10/26	02/11/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2607010
Chloride	326	20.0	1	02/09/26	02/09/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/13/2026 7:50:10AM
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BH07-16'

E602090-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2606166
Benzene	ND	0.0250	1	02/07/26	02/08/26	
Ethylbenzene	ND	0.0250	1	02/07/26	02/08/26	
Toluene	ND	0.0250	1	02/07/26	02/08/26	
o-Xylene	ND	0.0250	1	02/07/26	02/08/26	
p,m-Xylene	ND	0.0500	1	02/07/26	02/08/26	
Total Xylenes	ND	0.0250	1	02/07/26	02/08/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	02/07/26	02/08/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2606166
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/26	02/08/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	02/07/26	02/08/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2607035
Diesel Range Organics (C10-C28)	ND	25.0	1	02/10/26	02/11/26	
Oil Range Organics (C28-C36)	ND	50.0	1	02/10/26	02/11/26	
<i>Surrogate: n-Nonane</i>		104 %	61-141	02/10/26	02/11/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2607010
Chloride	165	20.0	1	02/09/26	02/09/26	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/13/2026 7:50:10AM
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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 (2606166-BLK1)

Prepared: 02/07/26 Analyzed: 02/08/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

LCS (2606166-BS1)

Prepared: 02/07/26 Analyzed: 02/08/26

Benzene	4.88	0.0250	5.00		97.5	70-130			
Ethylbenzene	4.59	0.0250	5.00		91.7	70-130			
Toluene	4.77	0.0250	5.00		95.3	70-130			
o-Xylene	4.68	0.0250	5.00		93.6	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	14.0	0.0250	15.0		93.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			

Matrix Spike (2606166-MS1)

Source: E602087-03

Prepared: 02/07/26 Analyzed: 02/08/26

Benzene	5.06	0.0250	5.00	ND	101	70-130			
Ethylbenzene	4.79	0.0250	5.00	ND	95.8	70-130			
Toluene	4.96	0.0250	5.00	ND	99.3	70-130			
o-Xylene	4.88	0.0250	5.00	ND	97.6	70-130			
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			

Matrix Spike Dup (2606166-MSD1)

Source: E602087-03

Prepared: 02/07/26 Analyzed: 02/08/26

Benzene	4.92	0.0250	5.00	ND	98.4	70-130	2.84	27	
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	70-130	2.78	26	
Toluene	4.82	0.0250	5.00	ND	96.4	70-130	2.95	20	
o-Xylene	4.74	0.0250	5.00	ND	94.7	70-130	2.98	25	
p,m-Xylene	9.50	0.0500	10.0	ND	95.0	70-130	2.56	23	
Total Xylenes	14.2	0.0250	15.0	ND	94.9	70-130	2.70	26	
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/13/2026 7:50:10AM
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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 (2606166-BLK1)

Prepared: 02/07/26 Analyzed: 02/08/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

LCS (2606166-BS2)

Prepared: 02/07/26 Analyzed: 02/08/26

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

Matrix Spike (2606166-MS2)

Source: E602087-03

Prepared: 02/07/26 Analyzed: 02/08/26

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			

Matrix Spike Dup (2606166-MSD2)

Source: E602087-03

Prepared: 02/07/26 Analyzed: 02/08/26

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	94.9	70-130	3.97	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/13/2026 7:50:10AM
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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 (2607035-BLK1)

Prepared: 02/10/26 Analyzed: 02/11/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.5		50.0		105	61-141			

LCS (2607035-BS1)

Prepared: 02/10/26 Analyzed: 02/11/26

Diesel Range Organics (C10-C28)	264	25.0	250		106	66-144			
Surrogate: <i>n</i> -Nonane	53.5		50.0		107	61-141			

Matrix Spike (2607035-MS1)

Source: E602074-05

Prepared: 02/10/26 Analyzed: 02/11/26

Diesel Range Organics (C10-C28)	3580	25.0	250	3570	4.27	56-156			M4
Surrogate: <i>n</i> -Nonane	64.3		50.0		129	61-141			

Matrix Spike Dup (2607035-MSD1)

Source: E602074-05

Prepared: 02/10/26 Analyzed: 02/11/26

Diesel Range Organics (C10-C28)	3550	25.0	250	3570	NR	56-156	0.871	20	M4
Surrogate: <i>n</i> -Nonane	64.2		50.0		128	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 2/13/2026 7:50:10AM
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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 (2607010-BLK1)

Prepared: 02/09/26 Analyzed: 02/09/26

Chloride ND 20.0

LCS (2607010-BS1)

Prepared: 02/09/26 Analyzed: 02/09/26

Chloride 263 20.0 250 105 90-110

Matrix Spike (2607010-MS1)

Source: E602090-01

Prepared: 02/09/26 Analyzed: 02/09/26

Chloride 594 20.0 250 326 107 80-120

Matrix Spike Dup (2607010-MSD1)

Source: E602090-01

Prepared: 02/09/26 Analyzed: 02/09/26

Chloride 591 20.0 250 326 106 80-120 0.377 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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 02/13/26 07:50
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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 Slot 1				Address: 3122 National Parks Hwy				E607090		2300002					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	TEQ 106 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
1546	2/5/2026	S	1	BH07 - 14'		1								X						
1548	2/5/2026	S	1	BH07 - 16'		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, 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: Jared 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>Jared McCauley</i>		2/6/26	7:11	<i>Michelle Gonzales</i>		2-6-26	0711													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only												
<i>Michelle Gonzales</i>		2-6-26	1515	<i>Nathan Gonzalez</i>		2-6-26	1515	Received on ice:												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Y/N												
<i>Nathan Gonzalez</i>		2-6-26	1940	<i>Johnny Archuleta</i>		2-6-26	1940													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
<i>Johnny Archuleta</i>		2-6-26	2330	<i>Caitlin Maro</i>		2-7-26	1015													
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: 2/9/2026 10:08:51AM

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: 02/07/26 10:15 Work Order ID: E602090
Phone: (972) 371-5200 Date Logged In: 02/06/26 16:40 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 02/13/26 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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

L-RAS
R-CM

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 Slot 1

Work Order: E512161

Job Number: 23003-0002

Received: 12/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/23/25

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: 12/23/25



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

Project Name: John Callahan Slot 1
Workorder: E512161
Date Received: 12/18/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/18/2025 6:00:00AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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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Field Offices:

Southern New Mexico Area

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/23/25 13:22
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS21-0.5'	E512161-01A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/23/2025 1:22:57PM
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FS21-0.5'

E512161-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Benzene	ND	0.0250	1	12/18/25	12/18/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/18/25	
Toluene	ND	0.0250	1	12/18/25	12/18/25	
o-Xylene	ND	0.0250	1	12/18/25	12/18/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/18/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	12/18/25	12/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	12/18/25	12/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2551094
Diesel Range Organics (C10-C28)	182	25.0	1	12/18/25	12/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/25	12/19/25	
<i>Surrogate: n-Nonane</i>						
		116 %	61-141	12/18/25	12/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2551122
Chloride	3910	40.0	2	12/18/25	12/23/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/23/2025 1:22:57PM
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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 (2551095-BLK1)

Prepared: 12/18/25 Analyzed: 12/18/25

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	8.29		8.00		104	70-130			

LCS (2551095-BS1)

Prepared: 12/18/25 Analyzed: 12/18/25

Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.97	0.0250	5.00		99.3	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
o-Xylene	4.99	0.0250	5.00		99.7	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

Matrix Spike (2551095-MS1)

Source: E512162-03

Prepared: 12/18/25 Analyzed: 12/18/25

Benzene	5.18	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.04	0.0250	5.00	ND	101	70-130			
Toluene	5.15	0.0250	5.00	ND	103	70-130			
o-Xylene	5.08	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

Matrix Spike Dup (2551095-MSD1)

Source: E512162-03

Prepared: 12/18/25 Analyzed: 12/18/25

Benzene	5.31	0.0250	5.00	ND	106	70-130	2.50	27	
Ethylbenzene	5.19	0.0250	5.00	ND	104	70-130	2.85	26	
Toluene	5.28	0.0250	5.00	ND	106	70-130	2.53	20	
o-Xylene	5.20	0.0250	5.00	ND	104	70-130	2.39	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	2.73	23	
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130	2.62	26	
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/23/2025 1:22:57PM
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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 (2551095-BLK1)

Prepared: 12/18/25 Analyzed: 12/18/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

LCS (2551095-BS2)

Prepared: 12/18/25 Analyzed: 12/18/25

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.6	70-130			

Matrix Spike (2551095-MS2)

Source: E512162-03

Prepared: 12/18/25 Analyzed: 12/18/25

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.8	70-130			

Matrix Spike Dup (2551095-MSD2)

Source: E512162-03

Prepared: 12/18/25 Analyzed: 12/18/25

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130	3.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/23/2025 1:22:57PM
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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 (2551094-BLK1)

Prepared: 12/18/25 Analyzed: 12/18/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	49.3		50.0		98.7	61-141			

LCS (2551094-BS1)

Prepared: 12/18/25 Analyzed: 12/18/25

Diesel Range Organics (C10-C28)	265	25.0	250		106	66-144			
Surrogate: <i>n-Nonane</i>	49.9		50.0		99.9	61-141			

Matrix Spike (2551094-MS1)

Source: E512155-03

Prepared: 12/18/25 Analyzed: 12/18/25

Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	56-156			
Surrogate: <i>n-Nonane</i>	52.1		50.0		104	61-141			

Matrix Spike Dup (2551094-MSD1)

Source: E512155-03

Prepared: 12/18/25 Analyzed: 12/18/25

Diesel Range Organics (C10-C28)	286	25.0	250	ND	115	56-156	2.70	20	
Surrogate: <i>n-Nonane</i>	52.9		50.0		106	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/23/2025 1:22:57PM
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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 (2551122-BLK1)

Prepared: 12/18/25 Analyzed: 12/22/25

Chloride ND 20.0

LCS (2551122-BS1)

Prepared: 12/18/25 Analyzed: 12/22/25

Chloride 264 20.0 250 105 90-110

Matrix Spike (2551122-MS1)

Source: E512156-04

Prepared: 12/18/25 Analyzed: 12/22/25

Chloride 10800 200 250 10600 105 80-120

Matrix Spike Dup (2551122-MSD1)

Source: E512156-04

Prepared: 12/18/25 Analyzed: 12/22/25

Chloride 11000 200 250 10600 157 80-120 1.19 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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/23/25 13:22
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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 Slot 1				Address: 3122 National Parks Hwy				E51261		23003-0002						X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy				Phone: 575-988-0055																	
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																	
Phone: 575-988-0055				Miscellaneous:																	
Email: agiovengo@ensolum.com																					
Sample Information										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			
1036	12/16/2025	S	1	FS21 - 0.5'		1								X							
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: 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>	12/17/25	7:11	<i>Michelle Gonzalez</i>	12-17-25	0711																
<i>Michelle Gonzalez</i>	12-17-25	1515	<i>Nathan Gonzalez</i>	12-17-25	1515																
<i>Nathan Gonzalez</i>	12-17-25	1945	<i>Noe Sato</i>	12-17-25	1945																
<i>Noe Sato</i>	12-17-25	2330	<i>Noe Sato</i>	12-18-25	0600																
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															
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: 12/18/2025 10:15:49AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC.	Date Received: 12/18/25 06:00	Work Order ID: E512161
Phone: (972) 371-5200	Date Logged In: 12/17/25 15:34	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 12/29/25 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 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

Sampled time on COC does not match time on container.
L-NS
R-NV

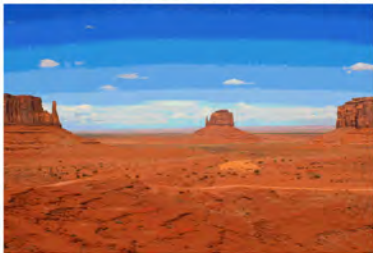
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: John Callahan Slot 1

Work Order: E512172

Job Number: 23003-0002

Received: 12/18/2025

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 Slot 1
Workorder: E512172
Date Received: 12/18/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/18/2025 6:00:00AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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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 Slot 1

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

12/30/25 12:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0.5'	E512172-01A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS02-0.5'	E512172-02A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS05-0.5'	E512172-03A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS07-0.5'	E512172-04A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS08-0.5'	E512172-05A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS10-0.5'	E512172-06A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS11-0.5'	E512172-07A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS12-0.5'	E512172-08A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS13-0.5'	E512172-09A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS15-0.5'	E512172-10A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS16-0.5'	E512172-11A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS17-0.5'	E512172-12A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS18-0.5'	E512172-13A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS19-0.5'	E512172-14A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS20-0.5'	E512172-15A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS22-0.5'	E512172-16A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS23-0.5'	E512172-17A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS24-0.5'	E512172-18A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS27-0.5'	E512172-19A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS28-0.5'	E512172-20A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS29-0.5'	E512172-21A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
FS30-0.5'	E512172-22A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS01-0.5'

E512172-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL		Batch: 2551105	
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	12/18/25	12/19/25	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2551105	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	12/18/25	12/19/25	

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2553016	
Diesel Range Organics (C10-C28)	103	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>		95.1 %	61-141	12/29/25	12/30/25	

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2551144	
Chloride	2990	40.0	2	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS02-0.5'

E512172-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		79.4 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		79.4 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	121	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>		96.1 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	3760	40.0	2	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS05-0.5'

E512172-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		124 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		81.7 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		124 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		81.7 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	97.9	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>		95.3 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	3440	40.0	2	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS07-0.5'

E512172-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		88.8 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		88.8 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	37.9	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>		98.8 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	8090	200	10	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS08-0.5'

E512172-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		86.3 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		86.3 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	208	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>		102 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	5090	100	5	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS10-0.5'

E512172-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		120 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		87.3 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		120 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		87.3 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	409	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	55.9	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>		98.9 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	7430	200	10	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS11-0.5'

E512172-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		118 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		76.4 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		118 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		76.4 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	409	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	106	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>		95.5 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	4900	100	5	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS12-0.5'

E512172-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		87.8 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		87.8 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	105	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>		96.0 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	2310	40.0	2	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS13-0.5'

E512172-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		87.5 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		93.2 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		87.5 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		93.2 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	165	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>		96.8 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	7330	100	5	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS15-0.5'

E512172-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		80.0 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		80.0 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	735	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>		99.5 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	4000	40.0	2	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS16-0.5'

E512172-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		114 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		82.8 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		114 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		82.8 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	146	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>		97.7 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	2320	40.0	2	12/19/25	12/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS17-0.5'

E512172-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		80.3 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		130 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		80.3 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		130 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	395	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	206	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>		99.0 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	4530	40.0	2	12/19/25	12/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS18-0.5'

E512172-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		79.2 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		92.1 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		79.2 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		92.1 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	375	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	89.7	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>		99.1 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	2110	40.0	2	12/19/25	12/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS19-0.5'

E512172-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		114 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		74.6 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		114 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		74.6 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	189	25.0	1	12/29/25	12/30/25	
Oil Range Organics (C28-C36)	132	50.0	1	12/29/25	12/30/25	
<i>Surrogate: n-Nonane</i>		99.5 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	5850	100	5	12/19/25	12/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS20-0.5'

E512172-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/19/25	
Toluene	ND	0.0250	1	12/18/25	12/19/25	
o-Xylene	ND	0.0250	1	12/18/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		84.2 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		117 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/19/25	
<i>Surrogate: Bromofluorobenzene</i>		84.2 %	70-130	12/18/25	12/19/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/18/25	12/19/25	
<i>Surrogate: Toluene-d8</i>		117 %	70-130	12/18/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	155	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>		100 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	1650	40.0	2	12/19/25	12/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS22-0.5'

E512172-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/23/25	
Toluene	ND	0.0250	1	12/18/25	12/23/25	
o-Xylene	ND	0.0250	1	12/18/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/23/25	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	12/18/25	12/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	12/18/25	12/23/25	
<i>Surrogate: Toluene-d8</i>		92.4 %	70-130	12/18/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/23/25	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	12/18/25	12/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	12/18/25	12/23/25	
<i>Surrogate: Toluene-d8</i>		92.4 %	70-130	12/18/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	101	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>		99.4 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	7670	100	5	12/19/25	12/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS23-0.5'

E512172-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/23/25	
Toluene	ND	0.0250	1	12/18/25	12/23/25	
o-Xylene	ND	0.0250	1	12/18/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/23/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	12/18/25	12/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	12/18/25	12/23/25	
<i>Surrogate: Toluene-d8</i>		93.5 %	70-130	12/18/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/23/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	12/18/25	12/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	12/18/25	12/23/25	
<i>Surrogate: Toluene-d8</i>		93.5 %	70-130	12/18/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	718	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>		97.0 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	7250	200	10	12/19/25	12/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS24-0.5'

E512172-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/23/25	
Toluene	ND	0.0250	1	12/18/25	12/23/25	
o-Xylene	ND	0.0250	1	12/18/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/23/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	12/18/25	12/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	12/18/25	12/23/25	
<i>Surrogate: Toluene-d8</i>		92.0 %	70-130	12/18/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/23/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	12/18/25	12/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	12/18/25	12/23/25	
<i>Surrogate: Toluene-d8</i>		92.0 %	70-130	12/18/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	397	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>		93.9 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	3000	40.0	2	12/19/25	12/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS27-0.5'

E512172-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/23/25	
Toluene	ND	0.0250	1	12/18/25	12/23/25	
o-Xylene	ND	0.0250	1	12/18/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/23/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	12/18/25	12/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	12/18/25	12/23/25	
<i>Surrogate: Toluene-d8</i>		91.8 %	70-130	12/18/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/23/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	12/18/25	12/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	12/18/25	12/23/25	
<i>Surrogate: Toluene-d8</i>		91.8 %	70-130	12/18/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	263	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>		99.6 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	1850	40.0	2	12/19/25	12/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS28-0.5'

E512172-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Benzene	ND	0.0250	1	12/18/25	12/23/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/23/25	
Toluene	ND	0.0250	1	12/18/25	12/23/25	
o-Xylene	ND	0.0250	1	12/18/25	12/23/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/23/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/23/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	12/18/25	12/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	12/18/25	12/23/25	
<i>Surrogate: Toluene-d8</i>		91.9 %	70-130	12/18/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551105
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/23/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	12/18/25	12/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	12/18/25	12/23/25	
<i>Surrogate: Toluene-d8</i>		91.9 %	70-130	12/18/25	12/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2553016
Diesel Range Organics (C10-C28)	55.8	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>		97.7 %	61-141	12/29/25	12/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2551144
Chloride	1210	20.0	1	12/19/25	12/20/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS29-0.5'

E512172-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551112
Benzene	ND	0.0250	1	12/18/25	12/20/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/20/25	
Toluene	ND	0.0250	1	12/18/25	12/20/25	
o-Xylene	ND	0.0250	1	12/18/25	12/20/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/20/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %	70-130	12/18/25	12/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		111 %	70-130	12/18/25	12/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2551117
Diesel Range Organics (C10-C28)	104	25.0	1	12/18/25	12/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/25	12/19/25	
<i>Surrogate: n-Nonane</i>		86.2 %	61-141	12/18/25	12/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2551126
Chloride	930	20.0	1	12/19/25	12/19/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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FS30-0.5'

E512172-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551112
Benzene	ND	0.0250	1	12/18/25	12/20/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/20/25	
Toluene	ND	0.0250	1	12/18/25	12/20/25	
o-Xylene	ND	0.0250	1	12/18/25	12/20/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/20/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	12/18/25	12/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		115 %	70-130	12/18/25	12/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2551117
Diesel Range Organics (C10-C28)	224	25.0	1	12/18/25	12/19/25	
Oil Range Organics (C28-C36)	139	50.0	1	12/18/25	12/19/25	
<i>Surrogate: n-Nonane</i>		90.6 %	61-141	12/18/25	12/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2551126
Chloride	1890	20.0	1	12/19/25	12/19/25	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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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 (2551105-BLK1)

Prepared: 12/18/25 Analyzed: 12/19/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.389		0.500		77.8	70-130			

LCS (2551105-BS1)

Prepared: 12/18/25 Analyzed: 12/19/25

Benzene	1.87	0.0250	2.50		74.7	70-130			
Ethylbenzene	2.25	0.0250	2.50		90.1	70-130			
Toluene	1.85	0.0250	2.50		74.0	70-130			
o-Xylene	2.49	0.0250	2.50		99.7	70-130			
p,m-Xylene	5.11	0.0500	5.00		102	70-130			
Total Xylenes	7.60	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.541		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.414		0.500		82.8	70-130			
Surrogate: Toluene-d8	0.435		0.500		87.0	70-130			

Matrix Spike (2551105-MS1)

Source: E512172-11

Prepared: 12/18/25 Analyzed: 12/19/25

Benzene	2.25	0.0250	2.50	ND	90.2	48-131			
Ethylbenzene	2.44	0.0250	2.50	ND	97.5	45-135			
Toluene	2.23	0.0250	2.50	ND	89.3	48-130			
o-Xylene	2.18	0.0250	2.50	ND	87.0	43-135			
p,m-Xylene	4.63	0.0500	5.00	ND	92.6	43-135			
Total Xylenes	6.81	0.0250	7.50	ND	90.7	43-135			
Surrogate: Bromofluorobenzene	0.449		0.500		89.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.448		0.500		89.6	70-130			

Matrix Spike Dup (2551105-MSD1)

Source: E512172-11

Prepared: 12/18/25 Analyzed: 12/19/25

Benzene	2.04	0.0250	2.50	ND	81.5	48-131	10.1	23	
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135	3.27	27	
Toluene	2.40	0.0250	2.50	ND	95.8	48-130	7.02	24	
o-Xylene	2.15	0.0250	2.50	ND	86.1	43-135	1.04	27	
p,m-Xylene	5.02	0.0500	5.00	ND	100	43-135	8.17	27	
Total Xylenes	7.18	0.0250	7.50	ND	95.7	43-135	5.32	27	
Surrogate: Bromofluorobenzene	0.440		0.500		88.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.4	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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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 (2551112-BLK1)

Prepared: 12/18/25 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	7.71		8.00		96.4	70-130			

LCS (2551112-BS1)

Prepared: 12/18/25 Analyzed: 12/20/25

Benzene	4.33	0.0250	5.00		86.7	70-130			
Ethylbenzene	4.07	0.0250	5.00		81.4	70-130			
Toluene	4.26	0.0250	5.00		85.2	70-130			
o-Xylene	4.12	0.0250	5.00		82.4	70-130			
p,m-Xylene	8.33	0.0500	10.0		83.3	70-130			
Total Xylenes	12.4	0.0250	15.0		83.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

Matrix Spike (2551112-MS1)

Source: E512174-49

Prepared: 12/18/25 Analyzed: 12/20/25

Benzene	4.80	0.0250	5.00	ND	96.0	70-130			
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	70-130			
Toluene	4.73	0.0250	5.00	ND	94.6	70-130			
o-Xylene	4.55	0.0250	5.00	ND	91.1	70-130			
p,m-Xylene	9.21	0.0500	10.0	ND	92.1	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	91.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		96.9	70-130			

Matrix Spike Dup (2551112-MSD1)

Source: E512174-49

Prepared: 12/18/25 Analyzed: 12/20/25

Benzene	4.96	0.0250	5.00	ND	99.2	70-130	3.23	27	
Ethylbenzene	4.66	0.0250	5.00	ND	93.2	70-130	3.20	26	
Toluene	4.88	0.0250	5.00	ND	97.5	70-130	3.08	20	
o-Xylene	4.69	0.0250	5.00	ND	93.8	70-130	3.00	25	
p,m-Xylene	9.51	0.0500	10.0	ND	95.1	70-130	3.20	23	
Total Xylenes	14.2	0.0250	15.0	ND	94.7	70-130	3.13	26	
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.8	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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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 (2551105-BLK1)

Prepared: 12/18/25 Analyzed: 12/19/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.389		0.500		77.8	70-130			

LCS (2551105-BS2)

Prepared: 12/18/25 Analyzed: 12/19/25

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.430		0.500		86.0	70-130			

Matrix Spike (2551105-MS2)

Source: E512172-11

Prepared: 12/18/25 Analyzed: 12/19/25

Gasoline Range Organics (C6-C10)	37.4	20.0	50.0	ND	74.9	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.364		0.500		72.8	70-130			

Matrix Spike Dup (2551105-MSD2)

Source: E512172-11

Prepared: 12/18/25 Analyzed: 12/19/25

Gasoline Range Organics (C6-C10)	36.7	20.0	50.0	ND	73.5	70-130	1.87	20	
Surrogate: Bromofluorobenzene	0.413		0.500		82.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130			
Surrogate: Toluene-d8	0.460		0.500		91.9	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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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 (2551112-BLK1)

Prepared: 12/18/25 Analyzed: 12/20/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.01		8.00		113	70-130			

LCS (2551112-BS2)

Prepared: 12/18/25 Analyzed: 12/20/25

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.87		8.00		111	70-130			

Matrix Spike (2551112-MS2)

Source: E512174-49

Prepared: 12/18/25 Analyzed: 12/20/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.04		8.00		113	70-130			

Matrix Spike Dup (2551112-MSD2)

Source: E512174-49

Prepared: 12/18/25 Analyzed: 12/20/25

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.3	70-130	2.16	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.16		8.00		115	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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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 (2551117-BLK1)

Prepared: 12/18/25 Analyzed: 12/18/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.2		50.0		88.5	61-141			

LCS (2551117-BS1)

Prepared: 12/18/25 Analyzed: 12/18/25

Diesel Range Organics (C10-C28)	248	25.0	250		99.0	66-144			
Surrogate: n-Nonane	44.9		50.0		89.8	61-141			

Matrix Spike (2551117-MS1)

Source: E512171-03

Prepared: 12/18/25 Analyzed: 12/19/25

Diesel Range Organics (C10-C28)	58400	500	250	58100	107	56-156			
Surrogate: n-Nonane	510		50.0		NR	61-141			S5

Matrix Spike Dup (2551117-MSD1)

Source: E512171-03

Prepared: 12/18/25 Analyzed: 12/19/25

Diesel Range Organics (C10-C28)	56400	500	250	58100	NR	56-156	3.56	20	M4
Surrogate: n-Nonane	497		50.0		994	61-141			S5

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envirotech Inc.

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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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 (2553016-BLK1)

Prepared: 12/29/25 Analyzed: 12/30/25

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		91.7	61-141			

LCS (2553016-BS1)

Prepared: 12/29/25 Analyzed: 12/30/25

Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: <i>n</i> -Nonane	49.0		50.0		98.0	61-141			

Matrix Spike (2553016-MS1)

Source: E512172-04RE1

Prepared: 12/29/25 Analyzed: 12/30/25

Diesel Range Organics (C10-C28)	319	25.0	250	37.9	112	56-156			
Surrogate: <i>n</i> -Nonane	51.2		50.0		102	61-141			

Matrix Spike Dup (2553016-MSD1)

Source: E512172-04RE1

Prepared: 12/29/25 Analyzed: 12/30/25

Diesel Range Organics (C10-C28)	297	25.0	250	37.9	104	56-156	6.97	20	
Surrogate: <i>n</i> -Nonane	48.8		50.0		97.6	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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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 (2551126-BLK1)

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

Chloride ND 20.0

LCS (2551126-BS1)

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

Chloride 260 20.0 250 104 90-110

Matrix Spike (2551126-MS1)

Source: E512180-02

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

Chloride 291 40.0 250 ND 116 80-120

Matrix Spike Dup (2551126-MSD1)

Source: E512180-02

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

Chloride 285 40.0 250 ND 114 80-120 2.18 20



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 12:36:12PM
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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 (2551144-BLK1)

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

Chloride	ND	20.0							
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LCS (2551144-BS1)

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

Chloride	257	20.0	250		103	90-110			
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Matrix Spike (2551144-MS1)

Source: E512172-10

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

Chloride	4110	40.0	250	4000	42.6	80-120			M4
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Matrix Spike Dup (2551144-MSD1)

Source: E512172-10

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

Chloride	4170	40.0	250	4000	66.9	80-120	1.47	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/25 12:36
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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.

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Released to Imaging: 5/4/2026 4:31:57 PM

Received by OCD: 3/12/2026 12:36:29 PM

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 Slot 1				Address: 3122 National Parks Hwy				E512172		23003-0052					X	X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
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	TEEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1010	12/16/2025	S	1	FS01 - 0.5'			1								X					
1012	12/16/2025	S	1	FS02 - 0.5'			2								X					
1018	12/16/2025	S	1	FS05 - 0.5'			3								X					
1022	12/16/2025	S	1	FS07 - 0.5'			4								X					
1024	12/16/2025	S	1	FS08 - 0.5'			5								X					
1028	12/16/2025	S	1	FS10 - 0.5'			6								X					
1030	12/16/2025	S	1	FS11 - 0.5'			7								X					
1032	12/16/2025	S	1	FS12 - 0.5'			8								X					
1034	12/16/2025	S	1	FS13 - 0.5'			9								X					
1038	12/16/2025	S	1	FS15 - 0.5'			10								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___																				
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												
Michelle Gonzales		12/17/25	7:11	Michelle Gonzales		12-17-25	0711													
Michelle Gonzales		12-17-25	1515	Nathan Gonzalez		12-17-25	1515													
Nathan Gonzalez		12-17-25	1945	Nathan Gonzalez		12-17-25	1945													
Jarad McCauley		12-17-25	2330	Noe Sato		12-18-25	0600													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

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Released to Imaging: 5/4/2026 4:31:57 PM

Received by OCD: 3/12/2026 12:36:29 PM

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 Slot 1				Address: 3122 National Parks Hwy				E512172		23003-0002					X	X				
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agioveno@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	BEGDOC - NM	BEGDOC - TX	SDWA	CWA	RCRA	
1100	12/16/2025	S	1	FS16 - 0.5'			11								X					
1102	12/16/2025	S	1	FS17 - 0.5'			12								X					
1104	12/16/2025	S	1	FS18 - 0.5'			13								X					
1106	12/16/2025	S	1	FS19 - 0.5'			14								X					
1108	12/16/2025	S	1	FS20 - 0.5'			15								X					
1112	12/16/2025	S	1	FS22 - 0.5'			16								X					
1114	12/16/2025	S	1	FS23 - 0.5'			17								X					
1116	12/16/2025	S	1	FS24 - 0.5'			18								X					
1122	12/16/2025	S	1	FS27 - 0.5'			19								X					
1124	12/16/2025	S	1	FS28 - 0.5'			20								X					
Additional Instructions: Please CC: cburton@ensolum.com, agioveno@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)		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								
		12/17/25		7:11				12-17-25		0711										
		12-17-25		1515				12-17-25		1515										
		12/17/25		1945				12-17-25		1945										
		12-17-25		2330				12-18-25		0600										
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.																				

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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 Slot 1				Address: 3122 National Parks Hwy				E512172		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	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
1126	12/16/2025	S	1	FS29 - 0.5'		21									X					
1128	12/16/2025	S	1	FS30 - 0.5'		22									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: (Y) N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>[Signature]</i>	12/17/25	7:11	Michelle Gonzales	12-17-25	0711						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Michelle Gonzales	12-17-25	1515	Nathan Gonzales	12-17-25	1515						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Nathan Gonzales	12-17-25	1943	<i>[Signature]</i>	12-17-25	1940						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>[Signature]</i>	12-17-25	2330	Noe Sato	12-18-25	0600						
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.

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Envirotech Analytical Laboratory

Printed: 12/18/2025 11:14:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 12/18/25 06:00 Work Order ID: E512172
Phone: (972) 371-5200 Date Logged In: 12/17/25 16:09 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 12/29/25 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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 Slot 1

Work Order: E512181

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 Slot 1
Workorder: E512181
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 Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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:

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Lynn Jarboe
Laboratory Technical Representative
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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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/25 09:10
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03-0.5'	E512181-01A	Soil	12/18/25	12/19/25	Glass Jar, 2 oz.
FS04-0.5'	E512181-02A	Soil	12/18/25	12/19/25	Glass Jar, 2 oz.
FS06-0.5'	E512181-03A	Soil	12/18/25	12/19/25	Glass Jar, 2 oz.
FS08-0.5'	E512181-04A	Soil	12/18/25	12/19/25	Glass Jar, 2 oz.
FS14-0.5'	E512181-05A	Soil	12/18/25	12/19/25	Glass Jar, 2 oz.
FS25-0.5'	E512181-06A	Soil	12/18/25	12/19/25	Glass Jar, 2 oz.
FS26-0.5'	E512181-07A	Soil	12/18/25	12/19/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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FS03-0.5'

E512181-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2551125	
Benzene	ND	0.0250	1	12/19/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/19/25	
Toluene	ND	0.0250	1	12/19/25	12/19/25	
o-Xylene	ND	0.0250	1	12/19/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2551125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2552002	
Diesel Range Organics (C10-C28)	87.6	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>		98.1 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2552030	
Chloride	6390	100	5	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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FS04-0.5'

E512181-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Benzene	ND	0.0250	1	12/19/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/19/25	
Toluene	ND	0.0250	1	12/19/25	12/19/25	
o-Xylene	ND	0.0250	1	12/19/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2552002
Diesel Range Organics (C10-C28)	272	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	164	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: 2552030
Chloride	5370	100	5	12/22/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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FS06-0.5'

E512181-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Benzene	ND	0.0250	1	12/19/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/19/25	
Toluene	ND	0.0250	1	12/19/25	12/19/25	
o-Xylene	ND	0.0250	1	12/19/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552002
Diesel Range Organics (C10-C28)	43.1	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>						
		96.0 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552030
Chloride	3720	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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FS08-0.5'

E512181-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Benzene	ND	0.0250	1	12/19/25	12/19/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/19/25	
Toluene	ND	0.0250	1	12/19/25	12/19/25	
o-Xylene	ND	0.0250	1	12/19/25	12/19/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/19/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2552002
Diesel Range Organics (C10-C28)	40.1	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: 2552030
Chloride	4230	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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FS14-0.5'

E512181-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Benzene	ND	0.0250	1	12/19/25	12/19/25	
Ethylbenzene	0.0330	0.0250	1	12/19/25	12/19/25	
Toluene	ND	0.0250	1	12/19/25	12/19/25	
o-Xylene	0.0475	0.0250	1	12/19/25	12/19/25	
p,m-Xylene	0.0836	0.0500	1	12/19/25	12/19/25	
Total Xylenes	0.131	0.0250	1	12/19/25	12/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552002
Diesel Range Organics (C10-C28)	2620	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>						
		97.1 %	61-141	12/22/25	12/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552030
Chloride	3150	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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FS25-0.5'

E512181-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Benzene	ND	0.0250	1	12/19/25	12/19/25	
Ethylbenzene	0.0597	0.0250	1	12/19/25	12/19/25	
Toluene	ND	0.0250	1	12/19/25	12/19/25	
o-Xylene	0.115	0.0250	1	12/19/25	12/19/25	
p,m-Xylene	0.247	0.0500	1	12/19/25	12/19/25	
Total Xylenes	0.362	0.0250	1	12/19/25	12/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Gasoline Range Organics (C6-C10)	26.6	20.0	1	12/19/25	12/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552002
Diesel Range Organics (C10-C28)	3740	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>						
		94.7 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552030
Chloride	2690	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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FS26-0.5'

E512181-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Benzene	ND	0.0250	1	12/19/25	12/19/25	
Ethylbenzene	0.0599	0.0250	1	12/19/25	12/19/25	
Toluene	ND	0.0250	1	12/19/25	12/19/25	
o-Xylene	0.123	0.0250	1	12/19/25	12/19/25	
p,m-Xylene	0.254	0.0500	1	12/19/25	12/19/25	
Total Xylenes	0.376	0.0250	1	12/19/25	12/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2551125
Gasoline Range Organics (C6-C10)	26.0	20.0	1	12/19/25	12/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		108 %	70-130	12/19/25	12/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2552002
Diesel Range Organics (C10-C28)	3310	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>		95.5 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2552030
Chloride	2670	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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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 (2551125-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			

LCS (2551125-BS1)

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

Benzene	4.45	0.0250	5.00		89.1	70-130			
Ethylbenzene	4.46	0.0250	5.00		89.1	70-130			
Toluene	4.56	0.0250	5.00		91.2	70-130			
o-Xylene	4.51	0.0250	5.00		90.2	70-130			
p,m-Xylene	9.13	0.0500	10.0		91.3	70-130			
Total Xylenes	13.6	0.0250	15.0		90.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike (2551125-MS1)

Source: E512180-03

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

Benzene	5.00	0.0250	5.00	ND	100	70-130			
Ethylbenzene	5.01	0.0250	5.00	ND	100	70-130			
Toluene	5.13	0.0250	5.00	ND	103	70-130			
o-Xylene	5.07	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.8	70-130			

Matrix Spike Dup (2551125-MSD1)

Source: E512180-03

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

Benzene	4.71	0.0250	5.00	ND	94.2	70-130	6.03	27	
Ethylbenzene	4.70	0.0250	5.00	ND	94.0	70-130	6.36	26	
Toluene	4.83	0.0250	5.00	ND	96.5	70-130	6.16	20	
o-Xylene	4.76	0.0250	5.00	ND	95.1	70-130	6.45	25	
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	70-130	6.31	23	
Total Xylenes	14.4	0.0250	15.0	ND	95.8	70-130	6.36	26	
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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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 (2551125-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.72		8.00		109	70-130			

LCS (2551125-BS2)

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

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.73		8.00		109	70-130			

Matrix Spike (2551125-MS2)

Source: E512180-03

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

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.86		8.00		111	70-130			

Matrix Spike Dup (2551125-MSD2)

Source: E512180-03

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

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	0.365	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.87		8.00		111	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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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 (2552002-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	45.5		50.0		90.9	61-141			

LCS (2552002-BS1)

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

Diesel Range Organics (C10-C28)	253	25.0	250		101	66-144			
Surrogate: <i>n</i> -Nonane	48.4		50.0		96.9	61-141			

Matrix Spike (2552002-MS1)

Source: E512181-02

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

Diesel Range Organics (C10-C28)	603	25.0	250	272	132	56-156			
Surrogate: <i>n</i> -Nonane	54.9		50.0		110	61-141			

Matrix Spike Dup (2552002-MSD1)

Source: E512181-02

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

Diesel Range Organics (C10-C28)	565	25.0	250	272	117	56-156	6.50	20	
Surrogate: <i>n</i> -Nonane	47.9		50.0		95.8	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 9:10:14AM
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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 (2552030-BLK1)

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

Chloride	ND	20.0							
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LCS (2552030-BS1)

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

Chloride	257	20.0	250		103	90-110			
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Matrix Spike (2552030-MS1)

Source: E512182-02

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

Chloride	5680	40.0	250	4760	368	80-120			M4
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Matrix Spike Dup (2552030-MSD1)

Source: E512182-02

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

Chloride	5260	40.0	250	4760	198	80-120	7.74	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/25 09:10
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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 Slot 1				Address: 3122 National Parks Hwy				E512181		23008-002					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	
800	12/18/2025	S	1	FS03 - 0.5'		1								X					
802	12/18/2025	S	1	FS04 - 0.5'		2								X					
804	12/18/2025	S	1	FS06 - 0.5'		3								X					
806	12/18/2025	S	1	FS08 - 0.5'		4								X					
808	12/18/2025	S	1	FS14 - 0.5'		5								X					
810	12/18/2025	S	1	FS25 - 0.5'		6								X					
812	12/18/2025	S	1	FS26 - 0.5'		7								X					

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, 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) <i>JJ</i>	Date 12/18/25	Time 7:11	Received by: (Signature) <i>Michelle Gonzales</i>	Date 12-18-25	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 12/18/25	Time 1445	Received by: (Signature) <i>Marissa Gonzales</i>	Date 12-18-25	Time 1445	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 12-18-25	Time 1900	Received by: (Signature) <i>Carla Ma</i>	Date 12/18/25	Time 1900	
Relinquished by: (Signature) <i>Bill J...</i>	Date 12/18/25	Time 22:50	Received by: (Signature) <i>Carla Ma</i>	Date 12-19-25	Time 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 8:15:50AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Matador Resources, LLC. Date Received: 12/19/25 07:00 Work Order ID: E512181
Phone: (972) 371-5200 Date Logged In: 12/18/25 14:49 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

Client Instruction

Empty box for client instruction.

Comments/Resolution

Comments/Resolution box containing L-CM 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 Slot 1

Work Order: E512186

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 Slot 1
Workorder: E512186
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 Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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FS36-0.5'	11
FS37-0.5'	12
FS38-0.5'	13
FS39-0.5'	14
FS40-0.5'	15
FS41-0.5'	16
FS42-0.5'	17
FS43-0.5'	18
FS44-0.5'	19
FS45-0.5'	20
FS46-0.5'	21
FS47-0.5'	22
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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

John Callahan Slot 1

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

12/30/25 10:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS31-0.5'	E512186-01A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS32-0.5'	E512186-02A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS33-0.5'	E512186-03A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS34-0.5'	E512186-04A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS35-0.5'	E512186-05A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS36-0.5'	E512186-06A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS37-0.5'	E512186-07A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS38-0.5'	E512186-08A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS39-0.5'	E512186-09A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS40-0.5'	E512186-10A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS41-0.5'	E512186-11A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS42-0.5'	E512186-12A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS43-0.5'	E512186-13A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS44-0.5'	E512186-14A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS45-0.5'	E512186-15A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS46-0.5'	E512186-16A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS47-0.5'	E512186-17A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS48-0.5'	E512186-18A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS49-0.5'	E512186-19A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS50-0.5'	E512186-20A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS51-0.5'	E512186-21A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS52-0.5'	E512186-22A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS53-0.5'	E512186-23A	Soil	12/17/25	12/19/25	Glass Jar, 2 oz.
FS54-0.5'	E512186-24A	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS31-0.5'

E512186-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.0 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	209	25.0	1	12/22/25	12/22/25	
Oil Range Organics (C28-C36)	67.4	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: DT		Batch: 2552039
Chloride	4890	40.0	2	12/23/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS32-0.5'

E512186-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.6 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
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>		99.9 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	674	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS33-0.5'

E512186-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.1 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
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>		111 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	563	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS34-0.5'

E512186-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.7 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
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>		97.5 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	1200	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS35-0.5'

E512186-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.2 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	29.1	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>		97.3 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	321	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS36-0.5'

E512186-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	56.5	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>		96.5 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	1230	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS37-0.5'

E512186-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.2 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	288	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>						
		92.3 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	2840	40.0	2	12/23/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS38-0.5'

E512186-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
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>		94.0 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	189	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS39-0.5'

E512186-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	66.6	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	58.2	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>		97.2 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	760	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS40-0.5'

E512186-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.8 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	131	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>		96.7 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	1730	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS41-0.5'

E512186-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.3 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	135	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>						
		98.8 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	3680	40.0	2	12/23/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS42-0.5'

E512186-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.6 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
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>		98.4 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	424	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS43-0.5'

E512186-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.2 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	80.7	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>						
		100 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	3340	40.0	2	12/23/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS44-0.5'

E512186-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.8 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	37.8	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>						
		98.4 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	7240	100	5	12/23/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS45-0.5'

E512186-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.8 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
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>		98.9 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	476	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS46-0.5'

E512186-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.9 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	241	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>		96.9 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	3430	40.0	2	12/23/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS47-0.5'

E512186-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.9 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	297	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>		97.1 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	2860	40.0	2	12/23/25	12/23/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS48-0.5'

E512186-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.1 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	211	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	81.8	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	778	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS49-0.5'

E512186-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	54.4	25.0	1	12/22/25	12/23/25	
Oil Range Organics (C28-C36)	65.2	50.0	1	12/22/25	12/23/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	1160	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS50-0.5'

E512186-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2551142
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.0 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2552016
Diesel Range Organics (C10-C28)	673	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>		97.3 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2552039
Chloride	1310	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS51-0.5'

E512186-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2551137
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2551137
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552012
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>						
		101 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	55.4	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS52-0.5'

E512186-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2551137
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2551137
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.2 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552012
Diesel Range Organics (C10-C28)	25.3	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>						
		115 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	513	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS53-0.5'

E512186-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2551137
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2551137
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2552012
Diesel Range Organics (C10-C28)	175	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>		99.3 %	61-141	12/22/25	12/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2552031
Chloride	764	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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FS54-0.5'

E512186-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2551137
Benzene	ND	0.0250	1	12/19/25	12/22/25	
Ethylbenzene	ND	0.0250	1	12/19/25	12/22/25	
Toluene	ND	0.0250	1	12/19/25	12/22/25	
o-Xylene	ND	0.0250	1	12/19/25	12/22/25	
p,m-Xylene	ND	0.0500	1	12/19/25	12/22/25	
Total Xylenes	ND	0.0250	1	12/19/25	12/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2551137
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/25	12/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.9 %	70-130	12/19/25	12/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2552012
Diesel Range Organics (C10-C28)	485	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: TP		Batch: 2552031
Chloride	2030	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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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 (2551137-BLK1)

Prepared: 12/19/25 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	10.1		8.00		127	70-130			

LCS (2551137-BS1)

Prepared: 12/19/25 Analyzed: 12/22/25

Benzene	4.46	0.0250	5.00		89.3	70-130			
Ethylbenzene	4.27	0.0250	5.00		85.5	70-130			
Toluene	4.38	0.0250	5.00		87.5	70-130			
o-Xylene	4.36	0.0250	5.00		87.2	70-130			
p,m-Xylene	8.73	0.0500	10.0		87.3	70-130			
Total Xylenes	13.1	0.0250	15.0		87.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.99		8.00		125	70-130			

Matrix Spike (2551137-MS1)

Source: E512185-07

Prepared: 12/19/25 Analyzed: 12/22/25

Benzene	4.49	0.0250	5.00	ND	89.9	70-130			
Ethylbenzene	4.28	0.0250	5.00	ND	85.5	70-130			
Toluene	4.39	0.0250	5.00	ND	87.9	70-130			
o-Xylene	4.37	0.0250	5.00	ND	87.4	70-130			
p,m-Xylene	8.72	0.0500	10.0	ND	87.2	70-130			
Total Xylenes	13.1	0.0250	15.0	ND	87.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	10.0		8.00		125	70-130			

Matrix Spike Dup (2551137-MSD1)

Source: E512185-07

Prepared: 12/19/25 Analyzed: 12/22/25

Benzene	4.89	0.0250	5.00	ND	97.8	70-130	8.46	27	
Ethylbenzene	4.66	0.0250	5.00	ND	93.2	70-130	8.61	26	
Toluene	4.79	0.0250	5.00	ND	95.8	70-130	8.59	20	
o-Xylene	4.77	0.0250	5.00	ND	95.3	70-130	8.69	25	
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	70-130	8.43	23	
Total Xylenes	14.3	0.0250	15.0	ND	95.0	70-130	8.52	26	
Surrogate: 4-Bromochlorobenzene-PID	9.96		8.00		124	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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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 (2551142-BLK1)

Prepared: 12/19/25 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	8.25		8.00		103	70-130			

LCS (2551142-BS1)

Prepared: 12/19/25 Analyzed: 12/22/25

Benzene	4.89	0.0250	5.00		97.9	70-130			
Ethylbenzene	4.70	0.0250	5.00		93.9	70-130			
Toluene	4.81	0.0250	5.00		96.2	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130			
Total Xylenes	14.3	0.0250	15.0		95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.35		8.00		104	70-130			

Matrix Spike (2551142-MS1)

Source: E512186-06

Prepared: 12/19/25 Analyzed: 12/22/25

Benzene	5.22	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.00	0.0250	5.00	ND	99.9	70-130			
Toluene	5.12	0.0250	5.00	ND	102	70-130			
o-Xylene	5.06	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.2	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.47		8.00		106	70-130			

Matrix Spike Dup (2551142-MSD1)

Source: E512186-06

Prepared: 12/19/25 Analyzed: 12/22/25

Benzene	5.55	0.0250	5.00	ND	111	70-130	6.08	27	
Ethylbenzene	5.33	0.0250	5.00	ND	107	70-130	6.43	26	
Toluene	5.45	0.0250	5.00	ND	109	70-130	6.21	20	
o-Xylene	5.39	0.0250	5.00	ND	108	70-130	6.42	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	6.40	23	
Total Xylenes	16.3	0.0250	15.0	ND	108	70-130	6.40	26	
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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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 (2551137-BLK1)

Prepared: 12/19/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.25		8.00		103	70-130			

LCS (2551137-BS2)

Prepared: 12/19/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.36		8.00		105	70-130			

Matrix Spike (2551137-MS2)

Source: E512185-07

Prepared: 12/19/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.37		8.00		105	70-130			

Matrix Spike Dup (2551137-MSD2)

Source: E512185-07

Prepared: 12/19/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130	0.520	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.27		8.00		103	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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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 (2551142-BLK1)

Prepared: 12/19/25 Analyzed: 12/22/25

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

LCS (2551142-BS2)

Prepared: 12/19/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

Matrix Spike (2551142-MS2)

Source: E512186-06

Prepared: 12/19/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

Matrix Spike Dup (2551142-MSD2)

Source: E512186-06

Prepared: 12/19/25 Analyzed: 12/22/25

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130	1.61	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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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 (2552012-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	47.0		50.0		94.0	61-141			

LCS (2552012-BS1)

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

Diesel Range Organics (C10-C28)	246	25.0	250		98.5	66-144			
Surrogate: <i>n</i> -Nonane	48.1		50.0		96.1	61-141			

Matrix Spike (2552012-MS1)

Source: E512185-04

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

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	56-156			
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.3	61-141			

Matrix Spike Dup (2552012-MSD1)

Source: E512185-04

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

Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	56-156	13.1	20	
Surrogate: <i>n</i> -Nonane	55.3		50.0		111	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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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 (2552016-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	46.6		50.0		93.1	61-141			

LCS (2552016-BS1)

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

Diesel Range Organics (C10-C28)	243	25.0	250		97.2	66-144			
Surrogate: n-Nonane	48.7		50.0		97.3	61-141			

Matrix Spike (2552016-MS1)

Source: E512186-05

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

Diesel Range Organics (C10-C28)	277	25.0	250	29.1	99.3	56-156			
Surrogate: n-Nonane	49.0		50.0		98.0	61-141			

Matrix Spike Dup (2552016-MSD1)

Source: E512186-05

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

Diesel Range Organics (C10-C28)	276	25.0	250	29.1	98.8	56-156	0.487	20	
Surrogate: n-Nonane	48.7		50.0		97.5	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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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 Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/2025 10:46:08AM
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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 (2552039-BLK1)

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

Chloride ND 20.0

LCS (2552039-BS1)

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

Chloride 261 20.0 250 104 90-110

Matrix Spike (2552039-MS1)

Source: E512186-05

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

Chloride 582 20.0 250 321 104 80-120

Matrix Spike Dup (2552039-MSD1)

Source: E512186-05

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

Chloride 591 20.0 250 321 108 80-120 1.57 20

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 12/30/25 10:46
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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 Slot 1				Address: 3122 National Parks Hwy				E5121810		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	RCRA 8 Metals	BGDQC - NM	BGDQC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
920	12/17/2025	S	1	FS31 - 0.5'		1								X		2.0				
922	12/17/2025	S	1	FS32 - 0.5'		2								X		2.0				
924	12/17/2025	S	1	FS33 - 0.5'		3								X		2.0				
926	12/17/2025	S	1	FS34 - 0.5'		4								X		2.3				
928	12/17/2025	S	1	FS35 - 0.5'		5								X		2.3				
930	12/17/2025	S	1	FS36 - 0.5'		6								X		2.0				
1200	12/17/2025	S	1	FS37 - 0.5'		7								X		2.0				
934	12/17/2025	S	1	FS38 - 0.5'		8								X		2.1				
936	12/17/2025	S	1	FS39 - 0.5'		9								X		2.0				
938	12/17/2025	S	1	FS40 - 0.5'		10								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)	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>	12/18/25	7:16	<i>Michelle Gonzales</i>	12-18-25	0711	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	12-18-25	1445	<i>Marissa Gonzales</i>	12-18-25	1445	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Marissa Gonzales</i>	12-18-25	1900	<i>Cheri</i>	12/18/25	1900	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<i>Cheri</i>	12/18/25	22:54	<i>Cheri</i>	12-19-25	700	Received on ice:
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	<input checked="" 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 Slot 1				Address: 3122 National Parks Hwy				E512180		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 1006 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
940	12/17/2025	S	1	FS41 - 0.5'		11								X		2.6			
942	12/17/2025	S	1	FS42 - 0.5'		12								X		2.4			
944	12/17/2025	S	1	FS43 - 0.5'		13								X		2.4			
946	12/17/2025	S	1	FS44 - 0.5'		14								X		2.8			
948	12/17/2025	S	1	FS45 - 0.5'		15								X		3.0			
954	12/17/2025	S	1	FS46 - 0.5'		16								X		2.6			
956	12/17/2025	S	1	FS47 - 0.5'		17								X		3.1			
958	12/17/2025	S	1	FS48 - 0.5'		18								X		2.4			
1000	12/17/2025	S	1	FS49 - 0.5'		19								X		2.8			
1002	12/17/2025	S	1	FS50 - 0.5'		20								X		3.0			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jimccauley@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: <input checked="" type="radio"/> Y <input type="radio"/> N							
<i>Jarad McCauley</i>		12/18/25		7:11		<i>Michelle Gonzales</i>		12-18-25		0711									
<i>Michelle Gonzales</i>		12-18-25		1445		<i>Marissa Gonzales</i>		12-18-25		1445									
<i>Marissa Gonzales</i>		12-18-25		1900		<i>Sam 3/3/2</i>		12/18/25		1900									
<i>Sam 3/3/2</i>		12/18/25		22:54		<i>Carli Ma</i>		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.																			

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 Slot 1				Address: 3122 National Parks Hwy				E512186		23053-0002						X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										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				
1004	12/17/2025	S	1	FS51 - 0.5'		21								X								
1006	12/17/2025	S	1	FS52 - 0.5'		22								X								
1008	12/17/2025	S	1	FS53 - 0.5'		23								X								
1010	12/17/2025	S	1	FS54 - 0.5'		24								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						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>	12/18/25	7:11	<i>Michelle Gonzales</i>	12-18-25	0711	
<i>Michelle Gonzales</i>	12-18-25	1445	<i>Marissa Gonzales</i>	12-18-25	1445	
<i>Marissa Gonzales</i>	12-18-25	1900	<i>Orin Zipp</i>	12/18/25	1900	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Orin Zipp</i>	12/18/25	22:50	<i>Carly Mae</i>	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 8:23:31AM

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: E512186
Phone: (972) 371-5200	Date Logged In: 12/18/25 15:58	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 Slot 1

Work Order: E601018

Job Number: 23003-0002

Received: 1/7/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/12/26

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: 1/12/26

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



Project Name: John Callahan Slot 1
Workorder: E601018
Date Received: 1/7/2026 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/7/2026 6:30:00AM, under the Project Name: John Callahan Slot 1.

The analytical test results summarized in this report with the Project Name: John Callahan Slot 1 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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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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 01/12/26 16:28
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS09-0.5'	E601018-01A	Soil	01/05/26	01/07/26	Glass Jar, 2 oz.
FS14-0.5'	E601018-02A	Soil	01/05/26	01/07/26	Glass Jar, 2 oz.
FS25-0.5'	E601018-03A	Soil	01/05/26	01/07/26	Glass Jar, 2 oz.
FS26-0.5'	E601018-04A	Soil	01/05/26	01/07/26	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/12/2026 4:28:42PM
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FS09-0.5'
E601018-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2602069
Benzene	ND	0.0250	1	01/07/26	01/07/26	
Ethylbenzene	ND	0.0250	1	01/07/26	01/07/26	
Toluene	ND	0.0250	1	01/07/26	01/07/26	
o-Xylene	ND	0.0250	1	01/07/26	01/07/26	
p,m-Xylene	ND	0.0500	1	01/07/26	01/07/26	
Total Xylenes	ND	0.0250	1	01/07/26	01/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		118 %	70-130	01/07/26	01/07/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2602069
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/07/26	01/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	01/07/26	01/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2602062
Diesel Range Organics (C10-C28)	43.8	25.0	1	01/07/26	01/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/07/26	01/07/26	
<i>Surrogate: n-Nonane</i>						
		94.2 %	61-141	01/07/26	01/07/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2602071
Chloride	3730	40.0	2	01/07/26	01/07/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/12/2026 4:28:42PM
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FS14-0.5'

E601018-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2602069
Benzene	ND	0.0250	1	01/07/26	01/07/26	
Ethylbenzene	ND	0.0250	1	01/07/26	01/07/26	
Toluene	ND	0.0250	1	01/07/26	01/07/26	
o-Xylene	ND	0.0250	1	01/07/26	01/07/26	
p,m-Xylene	ND	0.0500	1	01/07/26	01/07/26	
Total Xylenes	ND	0.0250	1	01/07/26	01/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		116 %	70-130	01/07/26	01/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2602069
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/07/26	01/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	01/07/26	01/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2602062
Diesel Range Organics (C10-C28)	295	25.0	1	01/07/26	01/07/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/07/26	01/07/26	
<i>Surrogate: n-Nonane</i>		96.2 %	61-141	01/07/26	01/07/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2602071
Chloride	2030	40.0	2	01/07/26	01/07/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/12/2026 4:28:42PM
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FS25-0.5'

E601018-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2602069
Benzene	ND	0.0250	1	01/07/26	01/07/26	
Ethylbenzene	ND	0.0250	1	01/07/26	01/07/26	
Toluene	ND	0.0250	1	01/07/26	01/07/26	
o-Xylene	ND	0.0250	1	01/07/26	01/07/26	
p,m-Xylene	ND	0.0500	1	01/07/26	01/07/26	
Total Xylenes	ND	0.0250	1	01/07/26	01/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		118 %	70-130	01/07/26	01/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2602069
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/07/26	01/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	01/07/26	01/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2602062
Diesel Range Organics (C10-C28)	ND	25.0	1	01/07/26	01/08/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/07/26	01/08/26	
<i>Surrogate: n-Nonane</i>		94.1 %	61-141	01/07/26	01/08/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2602071
Chloride	1110	20.0	1	01/07/26	01/07/26	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/12/2026 4:28:42PM
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FS26-0.5'

E601018-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2602069
Benzene	ND	0.0250	1	01/07/26	01/07/26	
Ethylbenzene	ND	0.0250	1	01/07/26	01/07/26	
Toluene	ND	0.0250	1	01/07/26	01/07/26	
o-Xylene	ND	0.0250	1	01/07/26	01/07/26	
p,m-Xylene	ND	0.0500	1	01/07/26	01/07/26	
Total Xylenes	ND	0.0250	1	01/07/26	01/07/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		118 %	70-130	01/07/26	01/07/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2602069
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/07/26	01/07/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	01/07/26	01/07/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2602062
Diesel Range Organics (C10-C28)	86.4	25.0	1	01/07/26	01/08/26	
Oil Range Organics (C28-C36)	ND	50.0	1	01/07/26	01/08/26	
<i>Surrogate: n-Nonane</i>		94.6 %	61-141	01/07/26	01/08/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2602071
Chloride	2940	40.0	2	01/07/26	01/07/26	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/12/2026 4:28:42PM
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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 (2602069-BLK1)

Prepared: 01/07/26 Analyzed: 01/07/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.41		8.00		118	70-130			

LCS (2602069-BS1)

Prepared: 01/07/26 Analyzed: 01/07/26

Benzene	4.87	0.0250	5.00		97.4	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.4	70-130			
Toluene	4.80	0.0250	5.00		95.9	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.65	0.0500	10.0		96.5	70-130			
Total Xylenes	14.5	0.0250	15.0		96.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.29		8.00		116	70-130			

Matrix Spike (2602069-MS1)

Source: E601019-01

Prepared: 01/07/26 Analyzed: 01/07/26

Benzene	5.26	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.10	0.0250	5.00	ND	102	70-130			
Toluene	5.20	0.0250	5.00	ND	104	70-130			
o-Xylene	5.22	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.30		8.00		116	70-130			

Matrix Spike Dup (2602069-MSD1)

Source: E601019-01

Prepared: 01/07/26 Analyzed: 01/07/26

Benzene	5.56	0.0250	5.00	ND	111	70-130	5.55	27	
Ethylbenzene	5.41	0.0250	5.00	ND	108	70-130	5.85	26	
Toluene	5.48	0.0250	5.00	ND	110	70-130	5.35	20	
o-Xylene	5.55	0.0250	5.00	ND	111	70-130	6.09	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	5.64	23	
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130	5.79	26	
Surrogate: 4-Bromochlorobenzene-PID	9.44		8.00		118	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/12/2026 4:28:42PM
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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 (2602069-BLK1)

Prepared: 01/07/26 Analyzed: 01/07/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.7	70-130			

LCS (2602069-BS2)

Prepared: 01/07/26 Analyzed: 01/07/26

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

Matrix Spike (2602069-MS2)

Source: E601019-01

Prepared: 01/07/26 Analyzed: 01/07/26

Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

Matrix Spike Dup (2602069-MSD2)

Source: E601019-01

Prepared: 01/07/26 Analyzed: 01/07/26

Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130	6.15	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/12/2026 4:28:42PM
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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 (2602062-BLK1)

Prepared: 01/07/26 Analyzed: 01/07/26

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		87.0	61-141			

LCS (2602062-BS1)

Prepared: 01/07/26 Analyzed: 01/07/26

Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: <i>n</i> -Nonane	47.0		50.0		94.1	61-141			

Matrix Spike (2602062-MS1)

Source: E601012-09

Prepared: 01/07/26 Analyzed: 01/07/26

Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: <i>n</i> -Nonane	45.7		50.0		91.5	61-141			

Matrix Spike Dup (2602062-MSD1)

Source: E601012-09

Prepared: 01/07/26 Analyzed: 01/07/26

Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156	0.166	20	
Surrogate: <i>n</i> -Nonane	46.0		50.0		91.9	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: John Callahan Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/12/2026 4:28:42PM
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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 (2602071-BLK1)

Prepared: 01/07/26 Analyzed: 01/07/26

Chloride	ND	20.0							
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LCS (2602071-BS1)

Prepared: 01/07/26 Analyzed: 01/07/26

Chloride	258	20.0	250		103	90-110			
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Matrix Spike (2602071-MS1)

Source: E601019-01

Prepared: 01/07/26 Analyzed: 01/07/26

Chloride	635	20.0	250	383	101	80-120			
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Matrix Spike Dup (2602071-MSD1)

Source: E601019-01

Prepared: 01/07/26 Analyzed: 01/07/26

Chloride	641	20.0	250	383	103	80-120	1.07	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 Slot 1 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 01/12/26 16:28
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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# E1001018				Job Number 23030002				1D 2D 3D Std X				NM CO UT TX X					
Project Name: John Callahan Slot 1				Address: 3122 National Parks Hwy																					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																					
Address: 3122 National Parks Hwy				Phone: 575-988-0055																					
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																					
Phone: 575-988-0055				Miscellaneous:																					
Email: agiovengo@ensolum.com																									
Sample Information										Analysis and Method								EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #	Sample Temp	Remarks
1217	1/5/2026	S	1	FS09 - 0.5'		1								X										3.0	
1220	1/5/2026	S	1	FS14 - 0.5'		2								X										3.8	
1213	1/5/2026	S	1	FS25 - 0.5'		3								X										3.8	
1223	1/5/2026	S	1	FS26 - 0.5'		4								X										4.2	
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, 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																									
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: CN													
<i>Jarad McCauley</i>		1/6/26		7:11		<i>Michelle Gonzales</i>		1-6-26		0711															
<i>Michelle Gonzales</i>		1-6-26		1415		<i>Marissa Gonzales</i>		1-6-26		1415															
<i>Marissa Gonzales</i>		1-6-26		1825		<i>Johnny Archute</i>		1-6-26		1825															
<i>Johnny Archute</i>		1-6-26		2210		<i>Christi Mar</i>		1-7-26		0330															
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: 1/7/2026 8:39:17AM

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: 01/07/26 06:30	Work Order ID: E601018
Phone: (972) 371-5200	Date Logged In: 01/06/26 16:06	Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com	Due Date: 01/13/26 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 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

L-CM
R-NV

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

Date



envirotech Inc.



APPENDIX E

NMOCD Correspondence

From: [Rodgers, Scott, EMNRD](#)
To: [Ashley Giovengo](#)
Cc: [Chad Hamilton](#); [Jason Touchet](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - John Callahan Slot 1 - Incident Number nAPP2519949540
Date: Wednesday, October 15, 2025 11:37:04 AM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to January 13, 2026 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

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

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

Thank you,
Scott

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, October 15, 2025 11:06 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Matador Production Company - John Callahan Slot 1 - Incident Number nAPP2519949540

From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Wednesday, October 15, 2025 11:01 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Chad Hamilton <chamilton@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - John Callahan Slot 1 - Incident Number nAPP2519949540

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

Good morning,

Matador Production Company (Matador) is requesting an extension of the current deadline of October 15, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the John Callahan Slot 1 (Site) (Incident Number nAPP2519949540). The release occurred on July 17, 2025, and approximately 24 barrels (bbls) of produced water were released onto the pad surface; 15 bbls of produced water was recovered; 9 bbls of produced water were unrecoverable. Fracking operations at the Site were completed on October 1, 2025. Lateral and vertical delineation soil sampling within and around the release extent is currently on-going. Once delineation activities have been completed, Matador will select a subcontractor and begin excavation of the subject matter release. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until January 13, 2026. Please let me know if you have any further questions regarding this site.

Thanks,



Ashley Giovengo

Associate Principal

575-988-0055

Ensolum, LLC

in f X

“Your authenticity is your superpower.” – Unknown

From: [Rodgers, Scott, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Ashley Giovengo](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - John Callahan Slot 1 - Incident Number nAPP2519949540
Date: Tuesday, January 13, 2026 1:13:20 PM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to March 13, 2026 within the incident page. Please note that this is the second and final extension request approval.

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

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

Thank you,
Scott

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



From: Chad Hamilton <chamilton@ensolum.com>
Sent: Tuesday, January 13, 2026 12:49 PM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - John Callahan Slot 1 - Incident Number nAPP2519949540

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 Slot 1 (Site) (Incident Number nAPP2519949540). The release occurred on July 17, 2025, and approximately 24 barrels (bbls) of produced water were released onto the pad surface; 15 bbl of produced water were recovered. Ensolum personnel have completed lateral delineation soil sampling in accordance with the strictest Closure Criteria via hand auger at depths ranging from ground surface to 1-foot below ground surface (bgs). Vertical delineation soil sampling in accordance with the strictest Closure Criteria was achieved in boreholes (BH01 through BH06) via hand auger at depths ranging from ground surface to 10 feet (ft) bgs; Ensolum personnel hit refusal at 12.5 ft bgs in borehole BH07. Ensolum personnel will return to the Site to advance borehole BH07 in accordance with the strictest Closure Criteria. 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 January 05, 2026 . A soil boring was completed on January 7, 2026, 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 return to the Site to complete delineation in accordance with the strictest Closure Criteria and respectfully requests a 60-day extension until March 13, 2026. Matador will submit a remediation work plan or closure report upon receiving final laboratory analytical data from delineation soil sampling activities. 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 

From: [Rodgers, Scott, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Ashley Giovengo](#)
Subject: RE: [EXTERNAL] Confirmation Sampling Variance - John Callahan Slot 1 - Incident Number nAPP2519949540
Date: Monday, December 15, 2025 4:06:15 PM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

[**EXTERNAL EMAIL**]

Your request to increase the sampling area for each five-point floor composite sample not to exceed 400 square feet and sidewall samples not to exceed 200 square feet per 19.15.29.12D (1b) NMAC is approved.

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

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

Regards,
Scott

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



From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, December 15, 2025 7:04 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Confirmation Sampling Variance - John Callahan Slot 1 - Incident Number

nAPP2519949540

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

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the John Callahan Slot 1 (Site). On July 17, 2025, a layflat line developed multiple pinholes leaks during frac operations resulting in the release of approximately 24 barrels (bbls) of produced water onto the caliche pad; 15 bbls of produced water were recovered from the release area and 9 bbls were unrecoverable. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on July 18, 2025, and subsequently the release was assigned (Incident Number nAPP2519949540). The release impacted an area approximately 5,864 square feet (sq. ft.) in size on private land. The closest permitted groundwater well with depth to groundwater data within the last 25 years is New Mexico Office of the State Engineer (NMOSE) soil boring, C 4682 POD1, located 2.20 miles southwest of the Site. The well had a reported depth to groundwater of 180 feet below ground surface (bgs) and a total depth of 290 feet bgs. A desktop review for potential site receptors has been completed, and the Site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is an intermittent dry wash located approximately 0.65 miles west of the Site. The closest wetland is located approximately 0.65 miles west of the Site. The Site is located in a (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 100 mg/kg Total TPH and 600 mg/kg chloride. Matador is in the process of securing landowner permission to complete a soil boring on a neighboring pad to establish depth to groundwater within a ½-mile radius of the Site.

Ensolum completed lateral delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I on November 21, 2025 (see Table 1 and Table 1-CONT'D); vertical delineation soil sampling in accordance with the strictest Closure Criteria has been achieved in boreholes (BH01 through BH06). Vertical delineation sampling in accordance with the strictest Closure Criteria is still ongoing in borehole BH07. Based on laboratory analytical results from delineation soil sampling results, the proposed excavation extent is 21,452 sq. ft. in size. Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador is currently in the process of selecting a subcontractor for excavation activities and will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation soil sampling activities. Due to the size of the impacted area, and a regional depth to groundwater greater than 100 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2519949540).

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

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 486569

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 486569
	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 Slot 1
Date Release Discovered	07/17/2025
Surface Owner	Private

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 Other (Specify) Produced Water Released: 24 BBL Recovered: 15 BBL Lost: 9 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)	During Frac operations a 50' section of lay flat line developing pin holes in the lay flat line causing produced water to release on the well pad.

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**State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS, Page 2

Action 486569

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 486569
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</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.

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.

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ACKNOWLEDGMENTS

Action 486569

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 486569
	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 486569

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 486569
	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.	7/18/2025

Impacted Soil	
Saturated Soil (inches)	
	0.5
Sq. ft.	
	5864
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
	15
Soil type	
	pad caliche
Spill type	
	produced water
Barrel estimate in soil	
	8.7
Barrel estimate (standing fluids/ recovered+in soil)	
	23.7

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QUESTIONS

Action 486591

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 486591
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519949540
Incident Name	NAPP2519949540 JOHN CALLAHAN SLOT 1 @ 0
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 Slot 1
Date Release Discovered	07/17/2025
Surface Owner	Private

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 Other (Specify) Produced Water Released: 24 BBL Recovered: 15 BBL Lost: 9 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)	During Frac operations a 50' section of lay flat line developed pin holes resulting in a produced water release on the caliche well pad.

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QUESTIONS, Page 2

Action 486591

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 486591
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</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.

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 Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/18/2025
--	--

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QUESTIONS, Page 3

Action 486591

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 486591
	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 486591

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 486591
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	7/18/2025

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QUESTIONS

Action 533461

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533461
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519949540
Incident Name	NAPP2519949540 JOHN CALLAHAN SLOT 1 @ M-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	JOHN CALLAHAN SLOT 1
Date Release Discovered	07/17/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	21,452
What is the estimated number of samples that will be gathered	54
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	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.19699,-103.37886

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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CONDITIONS

Action 533461

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533461
	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 533465

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533465
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519949540
Incident Name	NAPP2519949540 JOHN CALLAHAN SLOT 1 @ M-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	JOHN CALLAHAN SLOT 1
Date Release Discovered	07/17/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	21,452
What is the estimated number of samples that will be gathered	54
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	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.19699,-103.37886

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CONDITIONS

Action 533465

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533465
	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 533474

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533474
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519949540
Incident Name	NAPP2519949540 JOHN CALLAHAN SLOT 1 @ M-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	JOHN CALLAHAN SLOT 1
Date Release Discovered	07/17/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	21,452
What is the estimated number of samples that will be gathered	54
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	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.19699,-103.37886

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CONDITIONS

Action 533474

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533474
	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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Oil Conservation Division
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Santa Fe, NM 87505**

QUESTIONS

Action 533476

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533476
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519949540
Incident Name	NAPP2519949540 JOHN CALLAHAN SLOT 1 @ M-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	JOHN CALLAHAN SLOT 1
Date Release Discovered	07/17/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	21,452
What is the estimated number of samples that will be gathered	54
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	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.19699,-103.37886

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CONDITIONS

Action 533476

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533476
	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
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QUESTIONS

Action 533478

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533478
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519949540
Incident Name	NAPP2519949540 JOHN CALLAHAN SLOT 1 @ M-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	JOHN CALLAHAN SLOT 1
Date Release Discovered	07/17/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	21,452
What is the estimated number of samples that will be gathered	54
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	Jarad McCauley @ (413) 270-1244
Please provide any information necessary for navigation to sampling site	32.19699,-103.37886

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CONDITIONS

Action 533478

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 533478
	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
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QUESTIONS

Action 539160

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 539160
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519949540
Incident Name	NAPP2519949540 JOHN CALLAHAN SLOT 1 @ M-21-24S-35E
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	JOHN CALLAHAN SLOT 1
Date Release Discovered	07/17/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,600
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/05/2026
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Chad Hamilton @ (940) 923-0072
Please provide any information necessary for navigation to sampling site	32.19699,-103.37886

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CONDITIONS

Action 539160

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 539160
	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.	12/31/2025
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.	12/31/2025

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QUESTIONS

Action 562414

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519949540
Incident Name	NAPP2519949540 JOHN CALLAHAN SLOT 1 @ M-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 SLOT 1
Date Release Discovered	07/17/2025
Surface Owner	Private

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 Other (Specify) Produced Water Released: 24 BBL Recovered: 15 BBL Lost: 9 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)	During Frac operations a 50' section of lay flat line developed pin holes resulting in a produced water release on the caliche well pad.

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QUESTIONS, Page 2

Action 562414

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</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.

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 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: 03/12/2026
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QUESTIONS, Page 3

Action 562414

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562414
	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 1/2 and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1/2 and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1/2 and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<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)	87300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3767
GRO+DRO (EPA SW-846 Method 8015M)	3767
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	01/05/2026
On what date will (or was) the remediation complete(d)	02/05/2026
What is the estimated surface area (in square feet) that will be reclaimed	2800
What is the estimated volume (in cubic yards) that will be reclaimed	52
What is the estimated surface area (in square feet) that will be remediated	21452
What is the estimated volume (in cubic yards) that will be remediated	320

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 562414

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562414
	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	North 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: 03/12/2026
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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 562414

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562414
	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 562414

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	539160
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/05/2026
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	1600

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	21452
What was the total volume (cubic yards) remediated	320
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	2800
What was the total volume (in cubic yards) reclaimed	52
Summarize any additional remediation activities not included by answers (above)	"The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS09, collected at ground surface, and vertically by soil samples collected in boreholes BH01 through BH07, at terminal depths ranging from 1-foot to 16 feet bgs. Confirmation floor samples FS01 through FS54 were all in compliance with the Site Closure Criteria. Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2519949540. "

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: 03/12/2026
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QUESTIONS, Page 7

Action 562414

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562414
	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 562414

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 562414
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	5/4/2026