



December 3, 2025

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
Janie Conner TB
Incident Number: nAPP2515826889
Eddy County, New Mexico**

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company, (Matador), has prepared this *Remediation Work Plan (RWP)* to document assessment and soil sampling activities at the Janie Conner TB (Site) and proposing additional remedial actions. The purpose of the Site assessment and soil sampling activities was to address impacted and waste-containing soil resulting from a release of produced water. Matador is submitting this *RWP*, describing analytical results from delineation soil sampling activities associated with Incident Number nAPP2515826889 and analytical results from an investigation into naturally occurring chloride at the Site. Matador is proposing excavation of the subject matter release within the parameters of a background chloride variance request and prior to submitting a *Deferral or Closure Request*.

BACKGROUND

The Site is located in Unit A, Section 14, Township 24 South, Range 28 East, in Eddy County, New Mexico (32.22184°, -104.05117°) and is associated with oil and gas exploration and production operations on private land.

On June 6, 2025, a poly, produced water transfer line ruptured resulting in the release of approximately 32 barrels (bbls) of produced water onto the pad surface and within a lined secondary containment; 10 bbls of produced water were recovered, 22 bbls of produced water were unrecoverable. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) on June 7, 2025, and submitted a Release Notification Form C-141 (Form C-141) on June 10, 2025. The release was assigned Incident Number nAPP2515826889.

A 48-hour advance notice of a liner inspection was submitted via the NMOCD web portal on July 14, 2025. A liner integrity inspection was conducted by Ensolum personnel on July 16, 2025, and the liner was determined to be insufficient, though the release did not encounter the damaged liner and as a result, the release in question did not migrate vertically through the damaged liner. The Form C-141 can be referenced within the NMOCD Incident Portal.

A request to use the background chloride variance associated with incident number nAPP2422623967 was submitted to NMOCD via email on June 9, 2025, and was approved on June 18, 2025. A 90-day extension request was submitted to the NMOCD on September 4, 2025, and approved by the NMOCD on the same day.

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On January 13, 2025, Ensolum personnel conducted soil sampling around the Site to assess for the presence or absence of naturally occurring chloride in undisturbed soil horizons, in association with incident number nAPP2422623967. A total of four background samples (BG01 through BG04) were collected in areas that did not appear to be disturbed by oil and gas operations and at depths ranging from ground surface to 3 feet bgs. Delineation soil sample locations and background soil sample locations are presented on Figure 2.

In order to address the concerns regarding naturally occurring chloride at the Site, Matador is submitting this RWP, describing analytical results from delineation soil sampling activities and requesting a background chloride variance at the Site prior to beginning remediation of the subject matter release.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Site Assessment/Characterization is described below.

According to the New Mexico Office of the State Engineer (NMOSE), the closest permitted groundwater well with depth to groundwater data is C -04828 POD1, located approximately 0.44 miles south of the Site. The well had a reported depth to groundwater greater than 55 feet below ground surface (bgs) and a total depth of 55 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an irrigation canal, located approximately 311 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is potentially underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the desktop Site Characterization, the following NMOC Table I Closure Criteria (Closure Criteria) *currently* apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

Laboratory analytical results for background delineation soil samples BG01 through BG04 indicated concentrations for benzene, BTEX, and TPH were non-detect and chloride concentration were elevated (696 mg/kg to 27,100 mg/kg) at depths ranging from ground surface to 3 feet bgs. The approved background chloride variance allowed for chloride concentrations to not exceed 11,799 mg/kg at ground surface, 3,972 mg/kg at 1-foot bgs, 3,323 mg/kg at 2 feet bgs, and 2,763 mg/kg at 3 feet bgs.

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on June 11, 2025, Ensolum personnel were onsite to delineate the lateral and vertical extent of the release as indicated by field observations and information provided on the C-141. Eight lateral soil samples (SS01 through SS06, SS05A, and SS06A) were collected at ground surface and 1-foot bgs.

Three boreholes (BH01 through BH03) were advanced via hand auger and gas-powered core drill within the release extent to assess the vertical extent of impacted soil. Boreholes BH01 through BH03 were advanced to depths ranging from 3 feet to 17 feet bgs.

On July 16, 2025, Ensolum personnel returned to the Site to conduct a liner integrity inspection. The lined secondary containment was cleaned of all debris and pressure washed prior to conducting the Liner Integrity Inspection. During the liner inspection, one hole was found outside of the release extent and was subsequently patched. Due to the proximity of the hole to the release extent vertical delineation was not conducted.

All delineation soil samples were field screened for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® Soil Analyzer System, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. Photographic documentation of delineation activities is included in Appendix C.

All 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. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS04, SS05A, and SS06A were all in compliance with the approved background chloride variance at ground surface and 1-foot bgs. Laboratory analytical results for boreholes BH02 and BH03 indicated all COCs were in compliance with the approved background chloride variance at ground surface and 2 feet bgs, respectively. The concentrations of chloride exceeded the approved background chloride variance at ground surface to 4 feet bgs. Laboratory analytical results for borehole BH03 indicated concentrations for TPH exceeded Site Closure Criteria at ground surface, but were in compliance with the strictest Closure Criteria per NMOCD Table I for TPH at 2 feet bgs. Laboratory analytical results for borehole BH01 indicated elevated chloride concentrations at ground surface and 4 feet bgs, but concentrations in all boreholes were within the natural range documented in background boreholes BG01 through BG04.

Laboratory analytical results for preliminary soil samples SS05 and SS06 were not in compliance with the approved background chloride variance or the Site Closure Criteria; however, chloride concentrations were in the naturally occurring chloride range found in background sample locations BG01 through BG04. Laboratory analytical results are summarized in Tables 1 and 2, and the complete laboratory analytical reports are included as Appendix D.

BACKGROUND CHLORIDE VARIANCE

Vertical delineation results from delineation boreholes BH01 through BH03 indicated elevated chloride concentrations from the release at ground surface (18,800 mg/kg) in BH01. The drop in chloride concentration from ground surface (18,800 mg/kg) to 2 feet bgs (8,430 mg/kg) in BH01 exhibits a demarcation of impacts within the release extent. Gross impacts from the release are present from ground surface to approximately 2 feet bgs (8,430 mg/kg) in BH01. Gross impacts from the produced water release are generally confined to the top 2 feet of soil beneath the release footprint. The soil

structure documented beneath the release extent is naturally high in chloride and is contributing to the perceived impacted soil beneath the release extent.

PROPOSED REMEDIATION WORK PLAN

Matador proposes to complete excavation activities at the Site according to the following actions:

- Based on the presence of naturally occurring chlorides (Table 2), vertical delineation in accordance with the proposed background chloride range of 696 mg/kg to 27,100 mg/kg was achieved in boreholes (BH01 through BH03).
- The original release extent detected elevated chloride concentrations (18,800 mg/kg) at ground surface in borehole BH01 and TPH impacts at ground surface in borehole BH03. Based on Table 1, impacted soil is demarcated by chloride concentrations greater than the average of naturally forming chlorides at ground surface (11,799 mg/kg) and TPH impacts (Table 3). Excavation of TPH impacts and elevated chloride concentrations will be achieved through the removal of TPH impacts to below 100 mg/kg and chloride impacts to below 11,799 mg/kg based on the demarcation lines in Table 1. In general, excavation of impacted soil is anticipated to advance to a depth of 1-foot bgs based on laboratory analytical data.
- Excavate any impacted or waste-containing soil from within the release extent to the maximum extent practicable (MEP) to comply with the approved chloride variance. Following removal of impacted soil, Ensolum personnel will collect 5-point composite soil samples representing no more than 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Sidewall soil samples will utilize the chloride variance concentration that correlates to their depth. Impacted and/or waste-containing soil will be transferred to an approved landfill facility for disposal.
- Borehole BH01 indicated chloride concentrations greater than 10,000 mg/kg at a depth of 4 feet bgs. In anticipation of a *Deferral Request* based on the proximity of active production equipment and safety concerns, Matador intends to commission a geophysical karst survey using a Bureau of Land Management (BLM) approved third-party cave/karst contractor. The karst survey will be conducted by Southwest Geophysical Consulting, LLC, under the supervision of Dave Decker. The karst survey will be conducted to assess for the presence or absence of karst features beneath the Site. Based on the findings of the karst survey, the Site Closure Criteria may be changed from the strictest Closure Criteria to the middle Closure Criteria.
- Lateral delineation soil sample SS06 is not compliant with the approved background chloride variance at 1-foot bgs. Chloride concentration in sample location SS06 is within the naturally occurring chloride range. After the karst potential is evaluated, excavation of this location may not be warranted. If the Site Closure Criteria is changed soil sample location SS06 will not be excavation due to it being in compliance with the Site Closure Criteria. If subsurface anomalies associated with karst are identified, soil sample location SS06 will be remediated to the MEP .
- Based on laboratory analytical results, the proposed excavation extent measures 1,943 square feet in size and an estimated 98 cubic yards (35% expansion factor included), will be removed from the Site (see Figure 3).
- The excavation will be backfilled and recontoured to match pre-existing conditions.

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- If there are areas to be deferred on pad due to the presence of equipment and/or pipelines, such as those under a lined secondary containment, lateral delineation samples will be collected to properly quantify the residual soil impacts that will be addressed during major Site reconstruction or following plugging and abandonment of the well and reclamation of the well pad.

Matador will complete the proposed excavation and soil sampling activities within 180 days of the date of approval of this *RWP* by the NMOCD.

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)
Senior Managing Geologist

cc: Jason Touchet, Matador

Appendices:

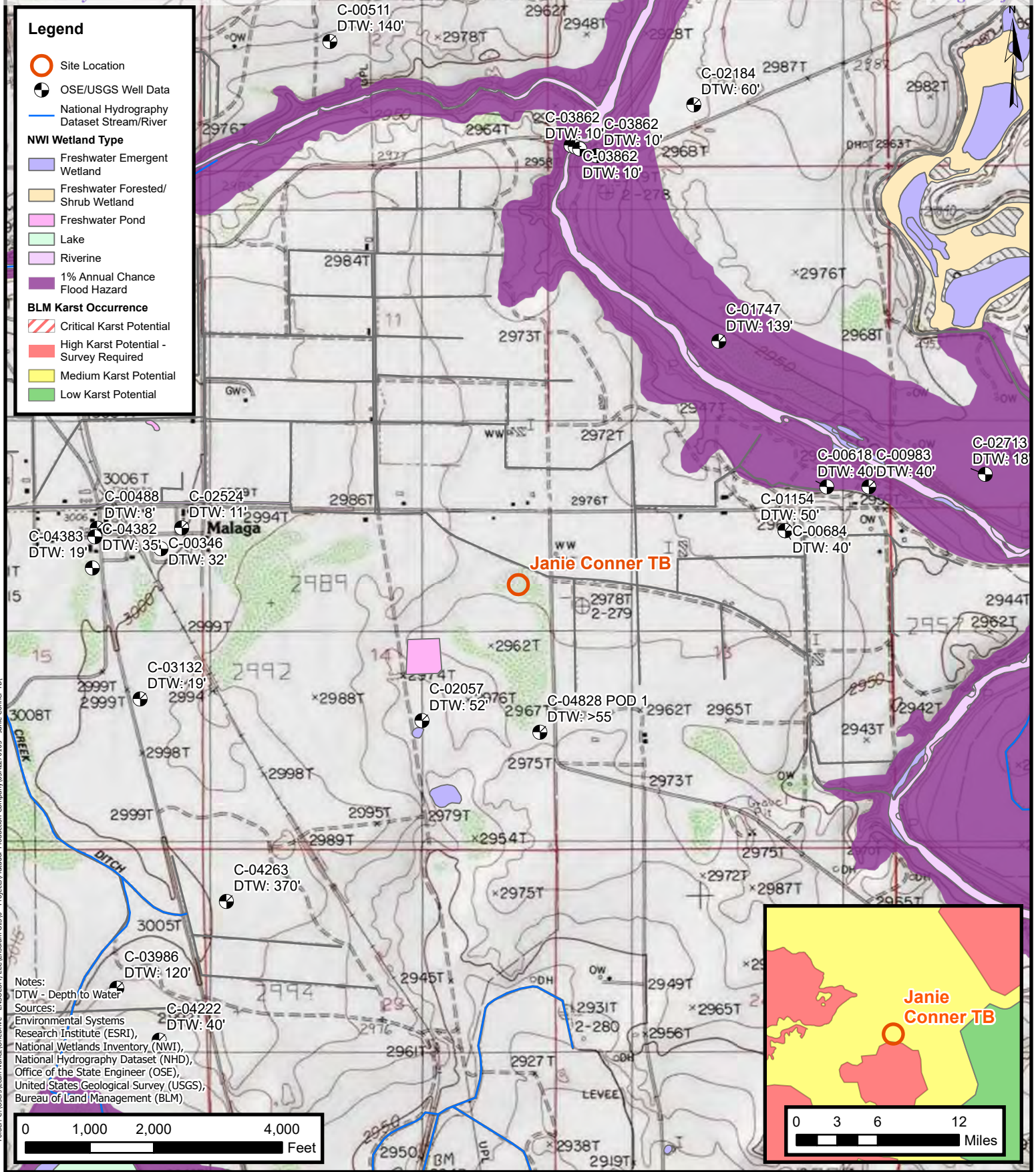
Figure 1 Site Receptor Map
Figure 2 Delineation Soil Sample Locations
Figure 3 Proposed Excavation Extent


Table 1 Soil Sample Analytical Results (Delineation Soil Samples)
Table 2 Soil Sample Analytical Results (Background Delineation Soil Samples)
Table 3 Background Delineation Soil Sample Averages

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



FIGURES





Environmental, Engineering and Hydrogeologic Consultants

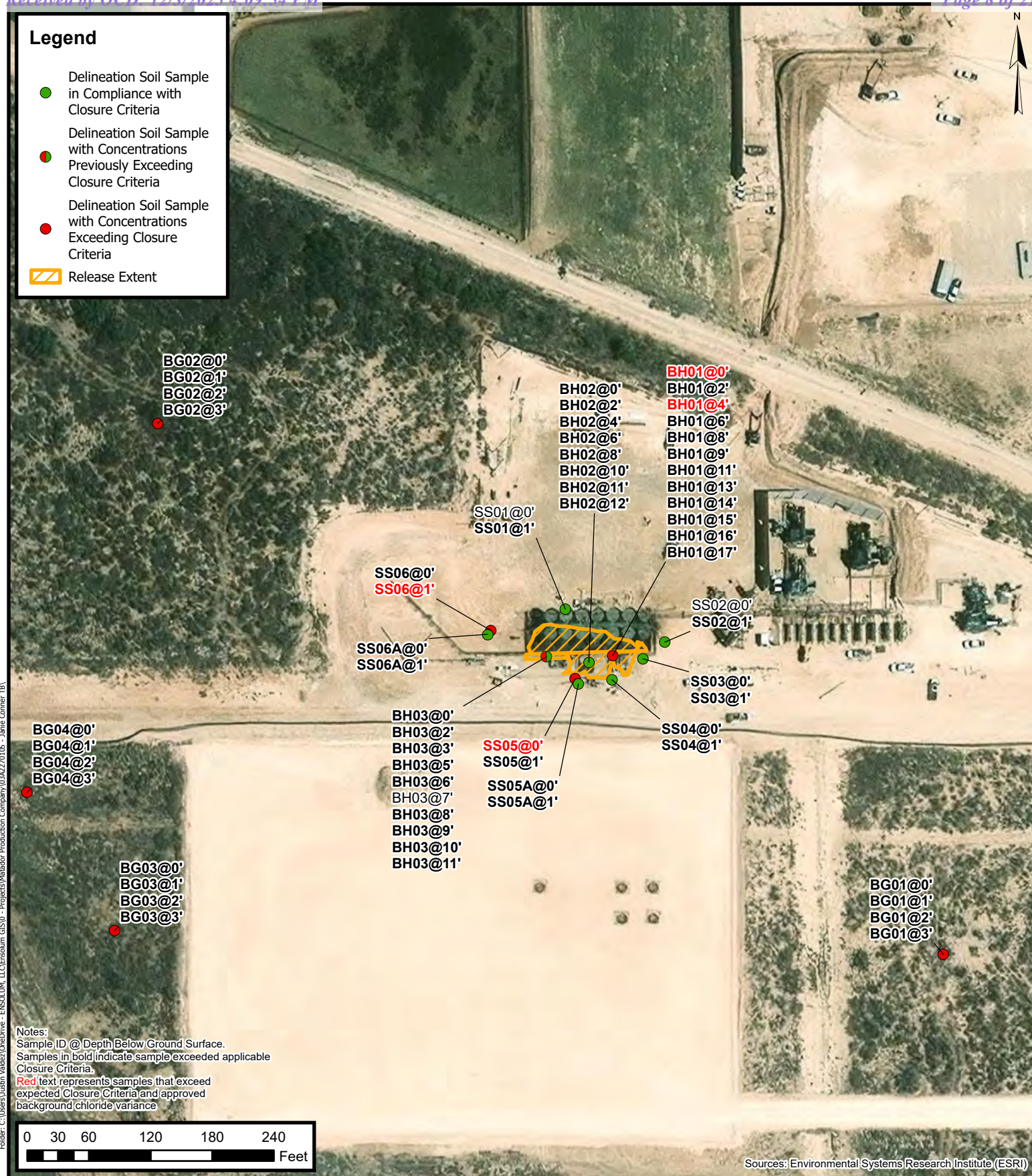
Site Receptor Map

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Unit A, Section 14, T 24S, R 28E
Eddy County, New Mexico

FIGURE 1

Legend

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



Delineation Soil Sample Locations

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 Unit A, Section 14, T 24S, R 28E
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FIGURE

2

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- Lined Containment
- Excavation Extent



Proposed Excavation Extent

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 Unit A, Section 14, T 24S, R 28E
 Eddy County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Janie Conner TB
 Matador Production Company
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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Approved Background Chloride Variance			10	50	NE	NE	NE	NE	100	11,799
Delineation Soil Samples										
BH01	6/24/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	18,800
BH01	6/24/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,430
BH01	6/24/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,300
BH01	6/24/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,150
BH01	6/24/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,420
BH01	6/24/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,270
BH01	6/25/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,200
BH01	6/25/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,730
BH01	7/7/2025	14	<0.0250	<0.0500	<20.0	<25.0	57.3	<25.0	57.3	1,870
BH01	7/7/2025	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,360
BH01	7/7/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,560
BH01	7/7/2025	17	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,720
BH02	6/25/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,610
BH02	6/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,770
BH02	6/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,070
BH02	6/27/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,710
BH02	6/27/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,070
BH02	6/27/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,260
BH02	6/27/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,120
BH02	6/27/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,160
BH03	6/27/2025	0	<0.0250	<0.0500	<20.0	56.0	79.4	56.0	135	6,760
BH03	6/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,500
BH03	6/27/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	872
BH03	6/27/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060
BH03	7/8/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,510
BH03	7/8/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	433
BH03	7/8/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	721
BH03	7/8/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,530
BH03	7/8/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,280
BH03	7/8/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,450



TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Janie Conner TB
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Approved Background Chloride Variance			10	50	NE	NE	NE	NE	100	11,799
Delineation Soil Samples										
SS01	6/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	155
SS01	6/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	991
SS02	6/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	103
SS02	6/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	794
SS03	6/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,220
SS03	6/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,980
SS04	6/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,260
SS04	6/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	619
SS05	6/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,900
SS05	6/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	836
SS05A	6/24/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,480
SS05A	6/24/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,050
SS06	6/11/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,670
SS06	6/11/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,280
SS06A	6/24/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,470
SS06A	6/24/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,980

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

Red text represents samples that exceed approved background chloride variance

<: Laboratory Analytical result is less than reporting limit

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Janie Conner TB
 Matador Production Company
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Approved Background Chloride Variance			10	50	NE	NE	NE	NE	100	11,799
Background Soil Samples										
BG01*	1/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	786
BG01*	1/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	696
BG01*	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,210
BG01*	1/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,800
BG02*	1/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,210
BG02*	1/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,770
BG02*	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,540
BG02*	1/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,890
BG03*	1/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	15,100
BG03*	1/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,860
BG03*	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,710
BG03*	1/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,130
BG04*	1/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27,100
BG04*	1/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,560
BG04*	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,830
BG04*	1/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,230

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

Red text represents samples that exceed expected Closure Criteria and approved background chloride variance

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 3 SOIL SAMPLE ANALYTICAL RESULTS Janie Conner TB Matador Production Company Eddy County, New Mexico						
Depth (feet bgs)	Date	BG01	BG02	BG03	BG04	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)						600
Approved Background Chloride Variance						11,799
Background Soil Sample Averages						
0	1/13/2025	786	4,210	15,100	27,100	11,799
1	1/13/2025	696	2,770	6,860	5,560	3,972
2	1/13/2025	1,210	3,540	4,710	3,830	3,323
3	1/13/2025	1,800	1,890	5,130	2,230	2,763

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

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

* 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.

Red text represents samples that exceed expected Closure Criteria and approved background chloride variance

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



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. N/A		OSE FILE NO(S). C-04828 POD 1			
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS R347 N26th Rural Street 2nd Floor				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 12	SECONDS 56.0	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 104	03	00.3	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit E, Section 14, Township 24S, Range 28E, Eddy County, NM								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1188		NAME OF LICENSED DRILLER John Scarborough			NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.		
	DRILLING STARTED 06/10/2024		DRILLING ENDED 06/10/2024		DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	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:							
	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	55	5.00	Soil Boring	-	-	-	-
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.

POD NO.

TRN NO.

LOCATION


WELL TAG ID NO.


PAGE 1 OF 2





APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: BH01		Date: 6/25/25 - 7/7/25	
								Site Name: Janie Conner			
								Incident Number: nAPP2515826889			
								Job Number: 03A2270105			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: AK		Method: Auger/Core Drill	
Coordinates: 32.22190, -104.05137								Hole Diameter: 3"		Total Depth: 17'	
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	>3,438		N	BH01	0	0	SW-SM	Sand with Silt - Dark Brown, Fine to very Fine Grain, Low Plasticity, Non-Cohesive, Massive, Well Graded			
	>3,438		N	BH01	1	1	CCHE	Caliche - Brown to Tan, Non-Plastic, Non-Cohesive, Massive, Well Graded			
VM	>3,438		N	BH01	2	2	SP-SM	Sand with Clay - Brown, Fine to Very Fine Grain, Medium Plasticity, Cohesive, Massive, Poorly Graded			
	>3,438		N	BH01	3	3	SC	Clayey Sand - Brown, Fine to Very Fine Grain, Medium Plasticity, Cohesive, Massive, Poorly Graded			
	>3,438		N	BH01	4	4		Clayey Sand w/ Trace Gypsum - Tan, Fine to Ver Fine Grain, Medium Plastic, Cohesive, Massive, Poorly Graded			
	>3,438		N	BH01	5	5	SP	Sand w/ Trace Gypsum - Tan, Fine to Medium Grain, Non-Plastic, Non-Cohesive, Massive, Poorly Graded			
>3,438		N	BH01	6	6						
S	3,438		N	BH01	7	7	SP-SC	Sand with Clay and Trace Gypsum - Brown, Fine Grain, Low Plasticity, Cohesive, Massive, Poorly Graded			
W	946		N	BH01	8	8		Sand - Tan, Fine to Medium Grain, Non-Plastic, Non-Cohesive, Massive, Poorly Graded			
	1,607		N	BH01	9	9	CH	Fat Clay - Tan, Very Fine Grain, High Plasticity, Cohesive, Masive			
	1,400		N	BH01	10	10					
	722		N	BH01	11	11					
			N	BH01	12	12					

								Sample Name: BH01		Date: 6/25/25 - 7/7/25	
								Site Name: Janie Conner			
								Incident Number: nAPP2515826889			
								Job Number: 03A2270105			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: AK		Method: Auger/Core Drill	
Coordinates: 32.22190, -104.05137								Hole Diameter: 3"		Total Depth: 17'	
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			
W	722		N	12		12	CH	Fat Clay - Tan, Very Fine Grain, High Plasticity, Cohesive, Masive			
	795		N	13	BH01	13					
	2,413		N	14	BH01	14	SC	Clayey Sand - Light Brown, Fine to Very Fine Grain, High Plasticity, Cohesive, Masive, Poorly Graded			
	1,724		N	15	BH01	15					
	1,724		N	16	BH01	16					
1,607		N	17	BH01	17						
Total Depth @ 17 feet bgs.											

								Sample Name: BH02		Date: 6/27/25	
								Site Name: Janie Conner TB			
								Incident Number: nAPP2515826889			
								Job Number: 03A2270105			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: AK		Method: Core Drill	
Coordinates: 32.221895, -104.051460								Hole Diameter: 3"		Total Depth: 12'	
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	2,968		N	BH02	0	0	SW-SM	Sand with Silt - Dark Brown, Fine to very Fine Grain, Low Plasticity, Non-Cohesive, Massive, Well Graded			
					1	1	CCHE	Caliche - Brown to Tan, Non-Plastic, Non-Cohesive, Massive, Well Graded			
VM	2,257		N	BH02	2	2	SP-SM	Sand with Clay - Brown, Fine to Very Fine Grain, Medium Plasticity, Cohesive, Massive, Poorly Graded			
					3	3	SC	Clayey Sand - Brown, Fine to Very Fine Grain, Medium Plasticity, Cohesive, Massive, Poorly Graded			
					4	4		Clayey Sand w/ Trace Gypsum - Tan, Fine to Ver Fine Grain, Medium Plastic, Cohesive, Massive, Poorly Graded			
					5	5					
					6	6	SP	Sand w/ Trace Gypsum - Tan, Fine to Medium Grain, Non-Plastic, Non-Cohesive, Massive, Poorly Graded			
					7	7					
S	2,111		N	BH02	8	8	SP-SC	Sand with Clay and Trace Gypsum - Brown, Fine Grain, Low Plasticity, Cohesive, Massive, Poorly Graded			
					9	9		Sand - Tan, Fine to Medium Grain, Non-Plastic, Non-Cohesive, Massive, Poorly Graded			
W	1,400		N	BH02	10	10	SP	Fat Clay - Tan, Very Fine Grain, High Plasticity, Cohesive, Masive			
					11	11	CH				
	481	53	N	BH02	12	12					

								Sample Name: BH03		Date: 6/27/25 - 7/8/25			
								Site Name: Janie Conner TB					
								Incident Number: nAPP2515826889					
								Job Number: 03A2270105					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Aboubakar Kone		Method: Hand Auger			
Coordinates: 32.221911, -104.051594								Hole Diameter: 3"		Total Depth: 11'			
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	>3,438		N	BH03	0	0	SW	Sand - Brown, Fine to Medium Grain, Plastic, Cohesive, Well Graded					
					1	1	SC	Clayey Sand - Brown, Very Fine to Fine Grain, Plastic, Cohesive, Massive, Well Graded					
VM	2,587		N	BH03	2	2	CH	Fat Clay - Brown, Very Fine Grain, High Plasticity, Cohesive, Massive					
	660		N	BH03	3	3		SM	Silty Sand - Tan, Fine to Very Fine Grain, Low Plasticity, Cohesive, Massive, Well Graded				
	722		N		4	4	SC		Clayey Sand w/ Trace Gypsum - Tan, very fine grained, Medium Plastic, Cohesive, Massive, Poorly Graded				
	1,030		N	BH03	5	5		SP	Sand w/ Trace Gypsum - Tan, Fine to Medium Grain, Non-Plastic, Non-Cohesive, Massive, Poorly Graded				
	1,114		N	BH03	6	6	SP-SC		Sand with Clay and Trace Gypsum - Brown, Fine Grain, Low Plasticity, Cohesive, Massive, Poorly Graded				
	795		N	BH03	7	7			CH	Fat Clay - Tan, Very Fine Grain, High Plasticity, Cohesive, Massive			
	868		N	BH03	8	8				CH	Fat Clay - Tan, Very Fine Grain, High Plasticity, Cohesive, Massive		
	S	1,601		N	BH03	9		9			CH	Fat Clay - Tan, Very Fine Grain, High Plasticity, Cohesive, Massive	
W		1,293		N	BH03	10	10	CH				Fat Clay - Tan, Very Fine Grain, High Plasticity, Cohesive, Massive	
		1,836		N	BH03	11	11						
Total Depth @ 11 feet bgs.													



APPENDIX C

Photographic Log



Photographic Log

Matador Production Company

Janie Conner TB

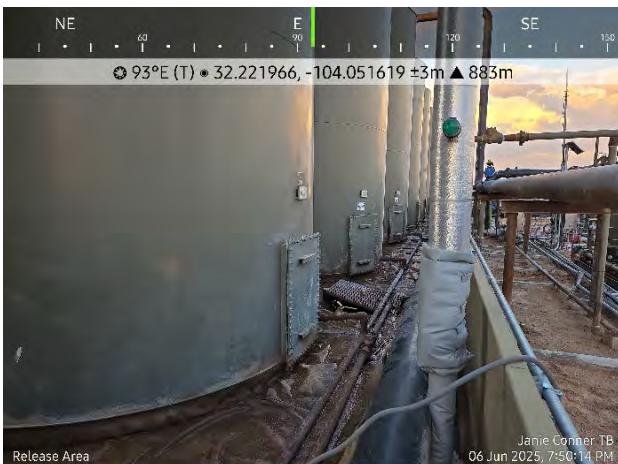
nAPP2515826889



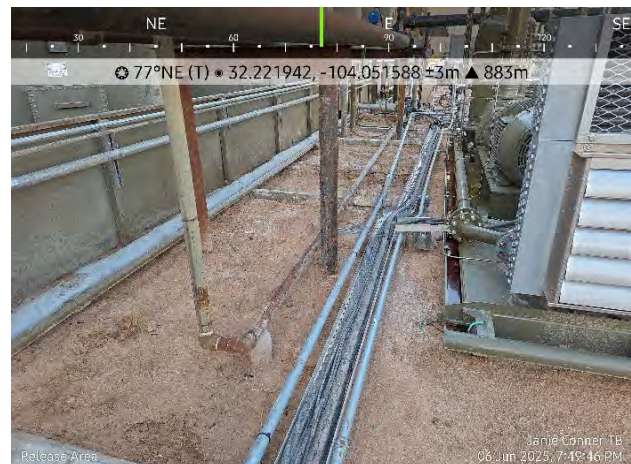
Photograph 1
Description: Lease Sign
View: South
Date: 6/6/2025



Photograph 2
Description: Release Extent
View: West
Date: 6/6/2025



Photograph 3
Description: Release Extent
View: East
Date: 6/6/2025



Photograph 4
Description: Release Extent
View: East
Date: 6/6/2025

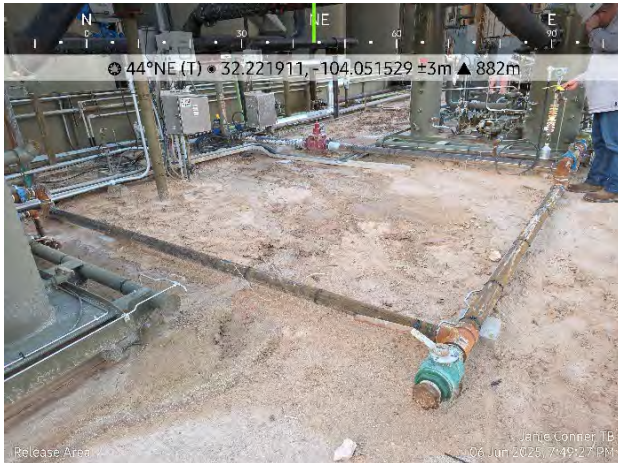


Photographic Log

Matador Production Company

Janie Conner TB

nAPP2515826889



Photograph 5

Date: 6/6/2025

Description: Release Extent

View: Northeast

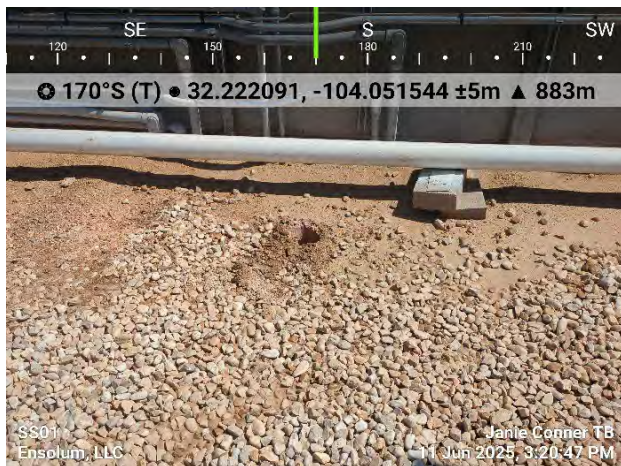


Photograph 6

Date: 6/6/2025

Description: Release Extent

View: Northeast

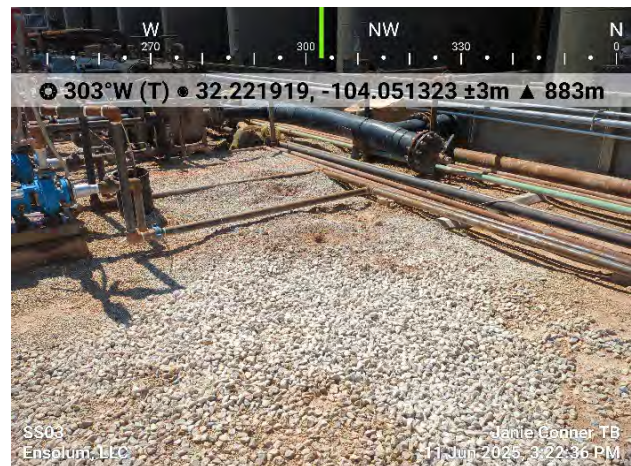


Photograph 7

Date: 6/11/2025

Description: Delineation (SS01)

View: South



Photograph 8

Date: 6/11/2025

Description: Delineation (SS03)

View: Northwest



Photographic Log

Matador Production Company

Janie Conner TB

nAPP2515826889



Photograph 9

Date: 6/11/2025

Description: Delineation (SS06)

View: Southeast



Photograph 10

Date: 6/24/2025

Description: Delineation (BH01)

View: East



Photograph 11

Date: 6/24/2025

Description: Delineation (SS05A)

View: East



Photograph 12

Date: 6/24/2025

Description: Delineation (SS06A)

View: East



Photographic Log

Matador Production Company

Janie Conner TB

nAPP2515826889



Photograph 13
Description: BH03
View: Direct

Date: 6/27/2025



Photograph 14
Description: BH02
View: Direct

Date: 6/27/2025



Photograph 15
Description: BH03
View: Northwest

Date: 7/8/2025



Photograph 16
Description: Liner Inspection (Hole 1)
View: Direct

Date: 7/16/2025

**Photographic Log**

Matador Production Company

Janie Conner TB

nAPP2515826889



Photograph 17
Description: Hole 1
View: Direct

Date: 12/1/2025



Photograph 18
Description: Hole 1
View: Direct

Date: 12/1/2025



Photograph 19
Description: Hole 1 (patch)
View: Direct

Date: 12/1/2025



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: Janie Conner Well Pad

Work Order: E501087

Job Number: 23003-0002

Received: 1/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/21/25

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: 1/21/25

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



Project Name: Janie Conner Well Pad
Workorder: E501087
Date Received: 1/15/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/15/2025 7:30:00AM, under the Project Name: Janie Conner Well Pad.

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

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues 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
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Envirotech Web Address: www.envirotech-inc.com

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BG03-1'	15
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Sample Summary

Matador Resources, LLC.

5400 LBJ Freeway, Suite 1500

Dallas TX, 75240

Project Name:

Janie Conner Well Pad

Project Number:

23003-0002

Project Manager:

Ashley Giovengo

Reported:

01/21/25 14:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG01-0'	E501087-01A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG01-1'	E501087-02A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG01-2'	E501087-03A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG01-3'	E501087-04A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG02-0'	E501087-05A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG02-1'	E501087-06A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG02-2'	E501087-07A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG02-3'	E501087-08A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG03-0'	E501087-09A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG03-1'	E501087-10A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG03-2'	E501087-11A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG03-3'	E501087-12A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG04-0'	E501087-13A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG04-1'	E501087-14A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG04-2'	E501087-15A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.
BG04-3'	E501087-16A	Soil	01/13/25	01/15/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG01-0'

E501087-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/17/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/17/25	
Toluene	ND	0.0250	1	01/15/25	01/17/25	
o-Xylene	ND	0.0250	1	01/15/25	01/17/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/17/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/17/25	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	01/15/25	01/17/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	01/15/25	01/17/25	
<i>Surrogate: Toluene-d8</i>		92.9 %	70-130	01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/17/25	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	01/15/25	01/17/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	01/15/25	01/17/25	
<i>Surrogate: Toluene-d8</i>		92.9 %	70-130	01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
<i>Surrogate: n-Nonane</i>		115 %	50-200	01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	786	100	5	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG01-1'

E501087-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/17/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/17/25	
Toluene	ND	0.0250	1	01/15/25	01/17/25	
o-Xylene	ND	0.0250	1	01/15/25	01/17/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/17/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	96.1 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	97.3 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	96.1 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	97.3 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	121 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	697	100	5	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG01-2'

E501087-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/17/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/17/25	
Toluene	ND	0.0250	1	01/15/25	01/17/25	
o-Xylene	ND	0.0250	1	01/15/25	01/17/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/17/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	94.9 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	98.0 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	94.9 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	98.0 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	117 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	1210	100	5	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG01-3'

E501087-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/17/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/17/25	
Toluene	ND	0.0250	1	01/15/25	01/17/25	
o-Xylene	ND	0.0250	1	01/15/25	01/17/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/17/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	94.6 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	94.6 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	122 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	1800	200	10	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG02-0'
E501087-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/17/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/17/25	
Toluene	ND	0.0250	1	01/15/25	01/17/25	
o-Xylene	ND	0.0250	1	01/15/25	01/17/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/17/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	93.9 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	98.4 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	93.9 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	98.4 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	121 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	4210	40.0	2	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/21/2025 2:46:42PM
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BG02-1'

E501087-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/17/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/17/25	
Toluene	ND	0.0250	1	01/15/25	01/17/25	
o-Xylene	ND	0.0250	1	01/15/25	01/17/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/17/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	95.8 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	95.8 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	123 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	2770	200	10	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG02-2'

E501087-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/17/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/17/25	
Toluene	ND	0.0250	1	01/15/25	01/17/25	
o-Xylene	ND	0.0250	1	01/15/25	01/17/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/17/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	95.9 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	96.8 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/17/25	
Surrogate: Bromofluorobenzene	95.9 %	70-130		01/15/25	01/17/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/15/25	01/17/25	
Surrogate: Toluene-d8	96.8 %	70-130		01/15/25	01/17/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	128 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	3540	100	5	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/21/2025 2:46:42PM
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BG02-3'

E501087-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/18/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/18/25	
Toluene	ND	0.0250	1	01/15/25	01/18/25	
o-Xylene	ND	0.0250	1	01/15/25	01/18/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/18/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	94.9 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	94.6 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	94.9 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	94.6 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	125 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	1890	100	5	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG03-0'

E501087-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/18/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/18/25	
Toluene	ND	0.0250	1	01/15/25	01/18/25	
o-Xylene	ND	0.0250	1	01/15/25	01/18/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/18/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	97.4 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	97.4 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	118 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	15100	400	20	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/21/2025 2:46:42PM
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BG03-1'

E501087-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/18/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/18/25	
Toluene	ND	0.0250	1	01/15/25	01/18/25	
o-Xylene	ND	0.0250	1	01/15/25	01/18/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/18/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	94.5 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	96.2 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	94.5 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	96.2 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	122 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	6860	200	10	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG03-2'

E501087-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/18/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/18/25	
Toluene	ND	0.0250	1	01/15/25	01/18/25	
o-Xylene	ND	0.0250	1	01/15/25	01/18/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/18/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	96.7 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	96.3 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	96.7 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	96.3 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	122 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	4710	200	10	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG03-3'

E501087-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/18/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/18/25	
Toluene	ND	0.0250	1	01/15/25	01/18/25	
o-Xylene	ND	0.0250	1	01/15/25	01/18/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/18/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	96.1 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	96.1 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/15/25	
Surrogate: n-Nonane	132 %	50-200		01/15/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	5130	200	10	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG04-0'

E501087-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/18/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/18/25	
Toluene	ND	0.0250	1	01/15/25	01/18/25	
o-Xylene	ND	0.0250	1	01/15/25	01/18/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/18/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	93.6 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	93.6 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/16/25	
Surrogate: n-Nonane	113 %	50-200		01/15/25	01/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	27100	1000	50	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG04-1'

E501087-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/18/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/18/25	
Toluene	ND	0.0250	1	01/15/25	01/18/25	
o-Xylene	ND	0.0250	1	01/15/25	01/18/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/18/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	95.8 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	96.3 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	95.8 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	96.3 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/16/25	
Surrogate: n-Nonane	132 %	50-200		01/15/25	01/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	5560	400	20	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG04-2'

E501087-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/18/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/18/25	
Toluene	ND	0.0250	1	01/15/25	01/18/25	
o-Xylene	ND	0.0250	1	01/15/25	01/18/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/18/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	96.1 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	97.4 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	96.1 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	97.4 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/16/25	
Surrogate: n-Nonane	114 %	50-200		01/15/25	01/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	3830	200	10	01/15/25	01/15/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/21/2025 2:46:42PM

BG04-3'

E501087-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Benzene	ND	0.0250	1	01/15/25	01/18/25	
Ethylbenzene	ND	0.0250	1	01/15/25	01/18/25	
Toluene	ND	0.0250	1	01/15/25	01/18/25	
o-Xylene	ND	0.0250	1	01/15/25	01/18/25	
p,m-Xylene	ND	0.0500	1	01/15/25	01/18/25	
Total Xylenes	ND	0.0250	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503063
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/15/25	01/18/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		01/15/25	01/18/25	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		01/15/25	01/18/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/15/25	01/18/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2503067
Diesel Range Organics (C10-C28)	ND	25.0	1	01/15/25	01/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/15/25	01/16/25	
Surrogate: n-Nonane	120 %	50-200		01/15/25	01/16/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503062
Chloride	2230	200	10	01/15/25	01/16/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2025 2:46:42PM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

Blank (2503063-BLK1)

Prepared: 01/15/25 Analyzed: 01/17/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.481		0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.1	70-130			

LCS (2503063-BS1)

Prepared: 01/15/25 Analyzed: 01/17/25

Benzene	2.64	0.0250	2.50		105	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.0	70-130			
Toluene	2.43	0.0250	2.50		97.0	70-130			
o-Xylene	2.37	0.0250	2.50		94.9	70-130			
p,m-Xylene	4.77	0.0500	5.00		95.4	70-130			
Total Xylenes	7.15	0.0250	7.50		95.3	70-130			
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.480		0.500		96.0	70-130			

Matrix Spike (2503063-MS1)

Source: E501085-04

Prepared: 01/15/25 Analyzed: 01/17/25

Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.4	45-135			
Toluene	2.44	0.0250	2.50	ND	97.4	48-130			
o-Xylene	2.38	0.0250	2.50	ND	95.2	43-135			
p,m-Xylene	4.78	0.0500	5.00	ND	95.7	43-135			
Total Xylenes	7.17	0.0250	7.50	ND	95.5	43-135			
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			

Matrix Spike Dup (2503063-MSD1)

Source: E501085-04

Prepared: 01/15/25 Analyzed: 01/17/25

Benzene	2.58	0.0250	2.50	ND	103	48-131	0.972	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.6	45-135	2.21	27	
Toluene	2.50	0.0250	2.50	ND	99.9	48-130	2.49	24	
o-Xylene	2.46	0.0250	2.50	ND	98.3	43-135	3.12	27	
p,m-Xylene	4.94	0.0500	5.00	ND	98.8	43-135	3.24	27	
Total Xylenes	7.40	0.0250	7.50	ND	98.6	43-135	3.20	27	
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.530		0.500		106	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2025 2:46:42PM

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 (2503063-BLK1)

Prepared: 01/15/25 Analyzed: 01/17/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.481		0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.1	70-130			

LCS (2503063-BS2)

Prepared: 01/15/25 Analyzed: 01/17/25

Gasoline Range Organics (C6-C10)	52.1	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.524		0.500		105	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

Matrix Spike (2503063-MS2)

Source: E501085-04

Prepared: 01/15/25 Analyzed: 01/17/25

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			

Matrix Spike Dup (2503063-MSD2)

Source: E501085-04

Prepared: 01/15/25 Analyzed: 01/20/25

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130	11.1	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.474		0.500		94.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/21/2025 2:46:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

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 (2503067-BLK1)					Prepared: 01/15/25 Analyzed: 01/15/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.5		50.0		115	50-200			

LCS (2503067-BS1)					Prepared: 01/15/25 Analyzed: 01/15/25				
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	59.9		50.0		120	50-200			

Matrix Spike (2503067-MS1)					Source: E501087-09		Prepared: 01/15/25 Analyzed: 01/15/25		
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	60.3		50.0		121	50-200			

Matrix Spike Dup (2503067-MSD1)					Source: E501087-09		Prepared: 01/15/25 Analyzed: 01/15/25		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	0.451	20	
Surrogate: n-Nonane	59.6		50.0		119	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 1/21/2025 2:46:42PM
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Anions by EPA 300.0/9056A

Analyst: AK

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 (2503062-BLK1)					Prepared: 01/15/25 Analyzed: 01/15/25				
Chloride	ND	20.0							
LCS (2503062-BS1)					Prepared: 01/15/25 Analyzed: 01/15/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2503062-MS1)					Source: E501087-07		Prepared: 01/15/25 Analyzed: 01/15/25		
Chloride	3120	100	250	3540	NR	80-120			M4
Matrix Spike Dup (2503062-MSD1)					Source: E501087-07		Prepared: 01/15/25 Analyzed: 01/15/25		
Chloride	3360	100	250	3540	NR	80-120	7.25	20	M4

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Conner Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/21/25 14:46

- 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: Matador Production Company		Bill To		Lab Use Only		TAT		EPA Program					
Project: Janie Conner Well Pad		Attention: Ensolum LLC		Lab WO# ESD1087		Job Number 23003.0002		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo		Address: on file		City, State, Zip:		Analysis and Method					X		
Address: 3122 National Parks Hwy		Phone: 575-988-0055		Email: agiovengo@ensolum.com								RCRA	
City, State, Zip: Carlsbad NM, 88220												State	
Phone: 575-988-0055												NM CO UT AZ TX	
Email: agiovengo@ensolum.com													
Report due by:												Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDGC TX	Remarks
1341	1/13/25	S	1	BG01 - 0'	1							X		
1354	1/13/25	S	1	BG01 - 1'	2							X		
1356	1/13/25	S	1	BG01 - 2'	3							X		
1357	1/13/25	S	1	BG01 - 3'	4							X		
0950	1/13/25	S	1	BG02 - 0'	5							X		
0951	1/13/25	S	1	BG02 - 1'	6							X		
0953	1/13/25	S	1	BG02 - 2'	7							X		
0954	1/13/25	S	1	BG02 - 3'	8							X		
1047	1/13/25	S	1	BG03 - 0'	9							X		
1048	1/13/25	S	1	BG03 - 1'	10							X		

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

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

Sampled by: *Chad Hamilton, Hygiene Gonzalez*

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <i>Y</i> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <i>4</i>
<i>Michelle Gonzales</i>	1/14/25	10:00	<i>Michelle Gonzales</i>	1-14-25	1000	
<i>Michelle Gonzales</i>	1-14-25	1530	<i>Michelle Gonzales</i>	1-14-25	11:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	1-14-25	2230	<i>Michelle Gonzales</i>	1-15-25	730	

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 30 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: Matador Production Company		Bill To		Lab Use Only		TAT		EPA Program	
Project: Janie Conner Well Pad		Attention: Ensolum LLC		Lab WO#		1D 2D 3D Standard		CWA SDWA	
Project Manager: Ashley Giovengo		Address: on file		E501087		Job Number		23003-0052	
Address: 3122 National Parks Hwy		City, State, Zip:		Analysis and Method				RCRA	
City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055							
Phone: 575-988-0055		Email: agiovengo@ensolum.com							
Email: agiovengo@ensolum.com									
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
1051	1/13/25	S	1	BG03 -2'	11							X		
1052	1/13/25	S	1	BG03 -3'	12							X		
1109	1/13/25	S	1	BG04 -0'	13							X		
1110	1/13/25	S	1	BG04 -1'	14							X		
1112	1/13/25	S	1	BG04 -2'	15							X		
1113	1/13/25	S	1	BG04 -3'	16							X		

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

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

Sampled by: Chad Hamilton, Higinio Gonzalez

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Michelle Gonzales	1/14/25	10:00	Michelle Gonzales	1-14-25	1000	
Michelle Gonzales	1-14-25	1530	Michelle Gonzales	1.14.25	1630	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Michelle Gonzales	1.14.25	2230	Cathy Mar	1-15-25	730	

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



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Envirotech Analytical Laboratory

Printed: 1/15/2025 8:37:24AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	01/15/25 07:30	Work Order ID:	E501087
Phone:	(972) 371-5200	Date Logged In:	01/14/25 15:03	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/21/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab 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: Janie Conner TB

Work Order: E506092

Job Number: 23003-0002

Received: 6/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/18/25

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: 6/18/25

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



Project Name: Janie Conner TB
Workorder: E506092
Date Received: 6/13/2025 7:00:28AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/13/2025 7:00:28AM, under the Project Name: Janie Conner TB.

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

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

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

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

Respectfully,

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

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

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mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/18/25 11:06

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05 - 0'	E506092-01A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
SS05 - 1'	E506092-02A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/18/2025 11:06:50AM

SS05 - 0'

E506092-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524117	
Benzene	ND	0.0250	1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/14/25	
Toluene	ND	0.0250	1	06/13/25	06/14/25	
o-Xylene	ND	0.0250	1	06/13/25	06/14/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/14/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.6 %	70-130	06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %	70-130	06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524123	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/16/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	06/13/25	06/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524116	
Chloride	14900	400	20	06/13/25	06/13/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/18/2025 11:06:50AM

SS05 - 1'

E506092-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524117	
Benzene	ND	0.0250	1	06/13/25	06/14/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/14/25	
Toluene	ND	0.0250	1	06/13/25	06/14/25	
o-Xylene	ND	0.0250	1	06/13/25	06/14/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/14/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.7 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.3 %	70-130		06/13/25	06/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524123	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/16/25	
<i>Surrogate: n-Nonane</i>	104 %	61-141		06/13/25	06/16/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524116	
Chloride	836	40.0	2	06/13/25	06/13/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2025 11:06:50AM

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 (2524117-BLK1)

Prepared: 06/13/25 Analyzed: 06/14/25

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	7.60		8.00		95.0	70-130			

LCS (2524117-BS1)

Prepared: 06/13/25 Analyzed: 06/14/25

Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	5.15	0.0250	5.00		103	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

Matrix Spike (2524117-MS1)

Source: E506094-05

Prepared: 06/13/25 Analyzed: 06/14/25

Benzene	4.73	0.0250	5.00	ND	94.6	70-130			
Ethylbenzene	4.86	0.0250	5.00	ND	97.3	70-130			
Toluene	4.85	0.0250	5.00	ND	97.0	70-130			
o-Xylene	4.92	0.0250	5.00	ND	98.4	70-130			
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	70-130			
Total Xylenes	14.7	0.0250	15.0	ND	97.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2	70-130			

Matrix Spike Dup (2524117-MSD1)

Source: E506094-05

Prepared: 06/13/25 Analyzed: 06/14/25

Benzene	4.64	0.0250	5.00	ND	92.9	70-130	1.86	27	
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	70-130	1.73	26	
Toluene	4.76	0.0250	5.00	ND	95.2	70-130	1.90	20	
o-Xylene	4.82	0.0250	5.00	ND	96.4	70-130	2.07	25	
p,m-Xylene	9.55	0.0500	10.0	ND	95.5	70-130	1.98	23	
Total Xylenes	14.4	0.0250	15.0	ND	95.8	70-130	2.01	26	
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2025 11:06:50AM

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 (2524117-BLK1) Prepared: 06/13/25 Analyzed: 06/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		84.0	70-130			

LCS (2524117-BS2) Prepared: 06/13/25 Analyzed: 06/14/25

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	70-130			

Matrix Spike (2524117-MS2) Source: E506094-05 Prepared: 06/13/25 Analyzed: 06/14/25

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			

Matrix Spike Dup (2524117-MSD2) Source: E506094-05 Prepared: 06/13/25 Analyzed: 06/14/25

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.5	70-130	4.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2025 11:06:50AM

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 (2524123-BLK1)

Prepared: 06/13/25 Analyzed: 06/16/25

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

LCS (2524123-BS1)

Prepared: 06/13/25 Analyzed: 06/16/25

Diesel Range Organics (C10-C28)	264	25.0	250		106	66-144			
Surrogate: n-Nonane	51.2		50.0		102	61-141			

Matrix Spike (2524123-MS1)

Source: E506087-63

Prepared: 06/13/25 Analyzed: 06/16/25

Diesel Range Organics (C10-C28)	259	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	51.2		50.0		102	61-141			

Matrix Spike Dup (2524123-MSD1)

Source: E506087-63

Prepared: 06/13/25 Analyzed: 06/16/25

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	56-156	4.09	20	
Surrogate: n-Nonane	50.7		50.0		101	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/18/2025 11:06:50AM
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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 (2524116-BLK1)					Prepared: 06/13/25 Analyzed: 06/13/25				
Chloride	ND	20.0							
LCS (2524116-BS1)					Prepared: 06/13/25 Analyzed: 06/13/25				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2524116-MS1)					Source: E506091-01		Prepared: 06/13/25 Analyzed: 06/13/25		
Chloride	411	20.0	250	163	99.1	80-120			
Matrix Spike Dup (2524116-MSD1)					Source: E506091-01		Prepared: 06/13/25 Analyzed: 06/13/25		
Chloride	410	20.0	250	163	98.9	80-120	0.173	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Conner TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/18/25 11:06

- 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: Janie Conner TB				Address: 3122 National Parks Hwy		E501092	23003-002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRQ/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	86DOC - NM	86DOC - TX	SDWA	CWA	RCRA	
10:52	6/11/2025	S	1	SS05 - 0'		1								X					
10:54	6/11/2025	S	1	SS05 - 1'		2								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, lestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@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="checkbox"/> Y / N													
Michelle Gonzales	6-12-25	07:15	Michelle Gonzales	6-12-25	6715														
Michelle Gonzales	6-12-25	1605	Marissa Gonzales	6-12-25	1605														
Marissa Gonzales	6-12-25	1900	Richard Gonzales	6-12-25	1900														
Richard Gonzales	6-12-25	6030	Carlie Ann	6-13-25	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: 6/13/2025 1:36:02PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/13/25 07:00	Work Order ID:	E506092
Phone:	(972) 371-5200	Date Logged In:	06/12/25 14:24	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/19/25 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

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

Carrier: CourierComments/ResolutionSample 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.

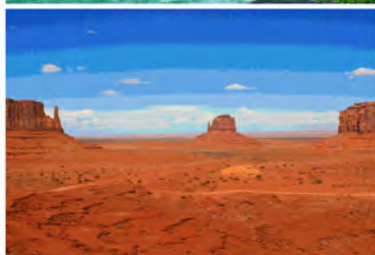
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Janie Conner TB

Work Order: E506095

Job Number: 23003-0002

Received: 6/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/19/25

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: 6/19/25

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



Project Name: Janie Conner TB
Workorder: E506095
Date Received: 6/13/2025 7:00:28AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/13/2025 7:00:28AM, under the Project Name: Janie Conner TB.

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

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

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

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

Respectfully,

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

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Laboratory Administrator
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 06/19/25 12:36
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E506095-01A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
SS01 - 1'	E506095-02A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
SS02 - 0'	E506095-03A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
SS02 - 1'	E506095-04A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
SS03 - 0'	E506095-05A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
SS03 - 1'	E506095-06A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
SS04 - 0'	E506095-07A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
SS04 - 1'	E506095-08A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
SS06 - 0'	E506095-09A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.
SS06 - 1'	E506095-10A	Soil	06/11/25	06/13/25	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 12:36:33PM

SS01 - 0'

E506095-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Benzene	ND	0.0250	1	06/13/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/13/25	
Toluene	ND	0.0250	1	06/13/25	06/13/25	
o-Xylene	ND	0.0250	1	06/13/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524125	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/19/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	06/13/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524133	
Chloride	155	40.0	2	06/13/25	06/13/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 12:36:33PM

SS01 - 1'

E506095-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Benzene	ND	0.0250	1	06/13/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/13/25	
Toluene	ND	0.0250	1	06/13/25	06/13/25	
o-Xylene	ND	0.0250	1	06/13/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2524125	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/19/25	
<i>Surrogate: n-Nonane</i>						
		113 %	61-141	06/13/25	06/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524133	
Chloride	991	20.0	1	06/13/25	06/13/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 12:36:33PM

SS02 - 0'

E506095-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Benzene	ND	0.0250	1	06/13/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/13/25	
Toluene	ND	0.0250	1	06/13/25	06/13/25	
o-Xylene	ND	0.0250	1	06/13/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.3 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2524125	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/19/25	
<i>Surrogate: n-Nonane</i>						
		109 %	61-141	06/13/25	06/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524133	
Chloride	103	20.0	1	06/13/25	06/13/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 12:36:33PM

SS02 - 1'

E506095-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Benzene	ND	0.0250	1	06/13/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/13/25	
Toluene	ND	0.0250	1	06/13/25	06/13/25	
o-Xylene	ND	0.0250	1	06/13/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524125	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/19/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	06/13/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524133	
Chloride	794	20.0	1	06/13/25	06/13/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 12:36:33PM

SS03 - 0'

E506095-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Benzene	ND	0.0250	1	06/13/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/13/25	
Toluene	ND	0.0250	1	06/13/25	06/13/25	
o-Xylene	ND	0.0250	1	06/13/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.8 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2524125	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/19/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	06/13/25	06/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2524133	
Chloride	6220	200	10	06/13/25	06/13/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 12:36:33PM

SS03 - 1'

E506095-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Benzene	ND	0.0250	1	06/13/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/13/25	
Toluene	ND	0.0250	1	06/13/25	06/13/25	
o-Xylene	ND	0.0250	1	06/13/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524125	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/19/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	06/13/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524133	
Chloride	1980	200	10	06/13/25	06/13/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 12:36:33PM

SS04 - 0'

E506095-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Benzene	ND	0.0250	1	06/13/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/13/25	
Toluene	ND	0.0250	1	06/13/25	06/13/25	
o-Xylene	ND	0.0250	1	06/13/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524125	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/19/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	06/13/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524133	
Chloride	8260	400	20	06/13/25	06/14/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 12:36:33PM

SS04 - 1'

E506095-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Benzene	ND	0.0250	1	06/13/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/13/25	
Toluene	ND	0.0250	1	06/13/25	06/13/25	
o-Xylene	ND	0.0250	1	06/13/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524125	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/19/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	06/13/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524133	
Chloride	619	40.0	2	06/13/25	06/14/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 12:36:33PM

SS06 - 0'

E506095-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Benzene	ND	0.0250	1	06/13/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/13/25	
Toluene	ND	0.0250	1	06/13/25	06/13/25	
o-Xylene	ND	0.0250	1	06/13/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.9 %	70-130		06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.7 %	70-130		06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524125	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/19/25	
<i>Surrogate: n-Nonane</i>	107 %	61-141		06/13/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524133	
Chloride	8670	200	10	06/13/25	06/14/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
6/19/2025 12:36:33PM

SS06 - 1'

E506095-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Benzene	ND	0.0250	1	06/13/25	06/13/25	
Ethylbenzene	ND	0.0250	1	06/13/25	06/13/25	
Toluene	ND	0.0250	1	06/13/25	06/13/25	
o-Xylene	ND	0.0250	1	06/13/25	06/13/25	
p,m-Xylene	ND	0.0500	1	06/13/25	06/13/25	
Total Xylenes	ND	0.0250	1	06/13/25	06/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2524118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/25	06/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	06/13/25	06/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2524125	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/25	06/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/25	06/19/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	06/13/25	06/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2524133	
Chloride	6280	200	10	06/13/25	06/14/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/19/2025 12:36:33PM

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 (2524118-BLK1) Prepared: 06/13/25 Analyzed: 06/13/25

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	8.04		8.00		101	70-130			

LCS (2524118-BS1) Prepared: 06/13/25 Analyzed: 06/13/25

Benzene	5.53	0.0250	5.00		111	70-130			
Ethylbenzene	5.58	0.0250	5.00		112	70-130			
Toluene	5.60	0.0250	5.00		112	70-130			
o-Xylene	5.52	0.0250	5.00		110	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.8	0.0250	15.0		112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

Matrix Spike (2524118-MS1) Source: E506095-05 Prepared: 06/13/25 Analyzed: 06/13/25

Benzene	5.33	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.38	0.0250	5.00	ND	108	70-130			
Toluene	5.40	0.0250	5.00	ND	108	70-130			
o-Xylene	5.33	0.0250	5.00	ND	107	70-130			
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130			
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

Matrix Spike Dup (2524118-MSD1) Source: E506095-05 Prepared: 06/13/25 Analyzed: 06/13/25

Benzene	4.93	0.0250	5.00	ND	98.6	70-130	7.78	27	
Ethylbenzene	5.00	0.0250	5.00	ND	99.9	70-130	7.49	26	
Toluene	5.00	0.0250	5.00	ND	100	70-130	7.56	20	
o-Xylene	4.94	0.0250	5.00	ND	98.7	70-130	7.56	25	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	7.35	23	
Total Xylenes	15.0	0.0250	15.0	ND	100	70-130	7.42	26	
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/19/2025 12:36:33PM

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 (2524118-BLK1) Prepared: 06/13/25 Analyzed: 06/13/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

LCS (2524118-BS2) Prepared: 06/13/25 Analyzed: 06/13/25

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

Matrix Spike (2524118-MS2) Source: E506095-05 Prepared: 06/13/25 Analyzed: 06/13/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike Dup (2524118-MSD2) Source: E506095-05 Prepared: 06/13/25 Analyzed: 06/13/25

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	0.128	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/19/2025 12:36:33PM

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 (2524125-BLK1)					Prepared: 06/13/25 Analyzed: 06/19/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.0		50.0		110	61-141			

LCS (2524125-BS1)					Prepared: 06/13/25 Analyzed: 06/19/25				
Diesel Range Organics (C10-C28)	261	25.0	250		105	66-144			
Surrogate: n-Nonane	51.3		50.0		103	61-141			

Matrix Spike (2524125-MS1)					Source: E506095-10		Prepared: 06/13/25 Analyzed: 06/19/25		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	52.3		50.0		105	61-141			

Matrix Spike Dup (2524125-MSD1)					Source: E506095-10		Prepared: 06/13/25 Analyzed: 06/19/25		
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	1.96	20	
Surrogate: n-Nonane	52.8		50.0		106	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 6/19/2025 12:36:33PM
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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 (2524133-BLK1)					Prepared: 06/13/25 Analyzed: 06/13/25				
Chloride	ND	20.0							
LCS (2524133-BS1)					Prepared: 06/13/25 Analyzed: 06/13/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2524133-MS1)					Source: E506095-04		Prepared: 06/13/25 Analyzed: 06/13/25		
Chloride	1170	20.0	250	794	150	80-120			M2
Matrix Spike Dup (2524133-MSD1)					Source: E506095-04		Prepared: 06/13/25 Analyzed: 06/13/25		
Chloride	993	20.0	250	794	79.5	80-120	16.2	20	M2

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Conner TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/19/25 12:36

- 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 Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Janie Conner TB				Address: 3122 National Parks Hwy		ES06095	23005007				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
14:32	6/11/2025	S	1	SS01 - 0'		1								X		2.3		
14:34	6/11/2025	S	1	SS01 - 1'		2								X		2.2		
10:00	6/11/2025	S	1	SS02 - 0'		3								X		1.9		
10:04	6/11/2025	S	1	SS02 - 1'		4								X		2.2		
10:07	6/11/2025	S	1	SS03 - 0'		5								X		1.0		
10:09	6/11/2025	S	1	SS03 - 1'		6								X		2.6		
10:11	6/11/2025	S	1	SS04 - 0'		7								X		3.9		
10:13	6/11/2025	S	1	SS04 - 1'		8								X		2.2		
11:03	6/11/2025	S	1	SS06 - 0'		9								X		3.7		
11:04	6/11/2025	S	1	SS06 - 1'		10								X		4.7		
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@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	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: (X) N		
Michelle Gonzales		6-12-25	07:15	Michelle Gonzales		6-12-25	0715	Michelle Gonzales		6-12-25	1605	Michelle Gonzales		6-12-25	1605			
Marissa Gonzales		6-12-25	1900	Marissa Gonzales		6-12-25	1900	Marissa Gonzales		6-12-25	1900	Marissa Gonzales		6-12-25	1900			
Richard Gonzales		6-12-25	0030	Richard Gonzales		6-12-25	700	Richard Gonzales		6-12-25	700	Richard Gonzales		6-12-25	700			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Envirotech Analytical Laboratory

Printed: 6/13/2025 1:43:51PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/13/25 07:00	Work Order ID:	E506095
Phone:	(972) 371-5200	Date Logged In:	06/12/25 14:38	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/19/25 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

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

Carrier: CourierComments/ResolutionSample 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



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Janie Conner TB

Work Order: E506247

Job Number: 23003-0002

Received: 6/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/2/25

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

Date Reported: 7/2/25

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



Project Name: Janie Conner TB
Workorder: E506247
Date Received: 6/27/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/27/2025 7:00:00AM, under the Project Name: Janie Conner TB.

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

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

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

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

Respectfully,

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

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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: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/02/25 12:10
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05A-0'	E506247-01A	Soil	06/24/25	06/27/25	Glass Jar, 2 oz.
SS05A-1'	E506247-02A	Soil	06/24/25	06/27/25	Glass Jar, 2 oz.
SS06A-0'	E506247-03A	Soil	06/24/25	06/27/25	Glass Jar, 2 oz.
SS06A-1'	E506247-04A	Soil	06/24/25	06/27/25	Glass Jar, 2 oz.
BH01-0'	E506247-05A	Soil	06/24/25	06/27/25	Glass Jar, 2 oz.
BH01-2'	E506247-06A	Soil	06/24/25	06/27/25	Glass Jar, 2 oz.
BH01-4'	E506247-07A	Soil	06/24/25	06/27/25	Glass Jar, 2 oz.
BH01-6'	E506247-08A	Soil	06/24/25	06/27/25	Glass Jar, 2 oz.
BH01-8'	E506247-09A	Soil	06/24/25	06/27/25	Glass Jar, 2 oz.
BH01-9'	E506247-10A	Soil	06/24/25	06/27/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:10:30PM

SS05A-0'

E506247-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2527003	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/25	07/01/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	06/29/25	07/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527013	
Chloride	3480	200	10	06/30/25	06/30/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:10:30PM

SS05A-1'

E506247-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.7 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2527003	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/25	07/01/25	
<i>Surrogate: n-Nonane</i>						
		114 %	61-141	06/29/25	07/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527013	
Chloride	1050	40.0	2	06/30/25	06/30/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:10:30PM

SS06A-0'

E506247-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.7 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2527003	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/25	07/01/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	06/29/25	07/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527013	
Chloride	6470	200	10	06/30/25	06/30/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:10:30PM

SS06A-1'

E506247-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2527003	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/25	07/01/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	06/29/25	07/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527013	
Chloride	1980	40.0	2	06/30/25	06/30/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:10:30PM

BH01-0'

E506247-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.8 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2527003	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/25	07/01/25	
<i>Surrogate: n-Nonane</i>						
		111 %	61-141	06/29/25	07/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527013	
Chloride	18800	400	20	06/30/25	06/30/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:10:30PM

BH01-2'

E506247-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2527003	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/25	07/01/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	06/29/25	07/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527013	
Chloride	8430	200	10	06/30/25	06/30/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/2/2025 12:10:30PM
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BH01-4'

E506247-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2527003	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/25	07/01/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		06/29/25	07/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527013	
Chloride	10300	200	10	06/30/25	06/30/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:10:30PM

BH01-6'

E506247-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2527003	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/25	07/01/25	
<i>Surrogate: n-Nonane</i>						
		110 %	61-141	06/29/25	07/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527013	
Chloride	7150	400	20	06/30/25	06/30/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:10:30PM

BH01-8'

E506247-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.9 %	70-130	06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2527003	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/25	07/01/25	
<i>Surrogate: n-Nonane</i>						
		110 %	61-141	06/29/25	07/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2527013	
Chloride	4420	200	10	06/30/25	06/30/25	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/2/2025 12:10:30PM
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BH01-9'

E506247-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Benzene	ND	0.0250	1	06/27/25	06/29/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/29/25	
Toluene	ND	0.0250	1	06/27/25	06/29/25	
o-Xylene	ND	0.0250	1	06/27/25	06/29/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/29/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/29/25	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.5 %	70-130		06/27/25	06/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2527003	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/25	07/01/25	
Surrogate: n-Nonane	111 %	61-141		06/29/25	07/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527013	
Chloride	1270	200	10	06/30/25	07/01/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/2/2025 12:10:30PM

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 (2526139-BLK1) Prepared: 06/27/25 Analyzed: 06/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			

LCS (2526139-BS1) Prepared: 06/27/25 Analyzed: 06/29/25

Benzene	4.80	0.0250	5.00		95.9	70-130			
Ethylbenzene	4.44	0.0250	5.00		88.7	70-130			
Toluene	4.64	0.0250	5.00		92.7	70-130			
o-Xylene	4.41	0.0250	5.00		88.1	70-130			
p,m-Xylene	8.81	0.0500	10.0		88.1	70-130			
Total Xylenes	13.2	0.0250	15.0		88.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			

Matrix Spike (2526139-MS1) Source: E506246-03 Prepared: 06/27/25 Analyzed: 06/29/25

Benzene	5.43	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.30	0.0250	5.00	ND	106	70-130			
Toluene	5.39	0.0250	5.00	ND	108	70-130			
o-Xylene	5.21	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130			

Matrix Spike Dup (2526139-MSD1) Source: E506246-03 Prepared: 06/27/25 Analyzed: 06/29/25

Benzene	4.88	0.0250	5.00	ND	97.6	70-130	10.7	27	
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	70-130	10.5	26	
Toluene	4.84	0.0250	5.00	ND	96.8	70-130	10.8	20	
o-Xylene	4.69	0.0250	5.00	ND	93.7	70-130	10.6	25	
p,m-Xylene	9.59	0.0500	10.0	ND	95.9	70-130	10.2	23	
Total Xylenes	14.3	0.0250	15.0	ND	95.2	70-130	10.3	26	
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		104	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/2/2025 12:10:30PM

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 (2526139-BLK1) Prepared: 06/27/25 Analyzed: 06/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

LCS (2526139-BS2) Prepared: 06/27/25 Analyzed: 06/29/25

Gasoline Range Organics (C6-C10)	42.3	20.0	50.0		84.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.3	70-130			

Matrix Spike (2526139-MS2) Source: E506246-03 Prepared: 06/27/25 Analyzed: 06/29/25

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			

Matrix Spike Dup (2526139-MSD2) Source: E506246-03 Prepared: 06/27/25 Analyzed: 06/29/25

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.9	70-130	0.744	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/2/2025 12:10:30PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2527003-BLK1)					Prepared: 06/29/25 Analyzed: 06/30/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	61-141			

LCS (2527003-BS1)					Prepared: 06/29/25 Analyzed: 06/30/25				
Diesel Range Organics (C10-C28)	282	25.0	250		113	66-144			
Surrogate: n-Nonane	49.6		50.0		99.3	61-141			

Matrix Spike (2527003-MS1)					Source: E506244-02		Prepared: 06/29/25 Analyzed: 06/30/25		
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	56-156			
Surrogate: n-Nonane	48.3		50.0		96.5	61-141			

Matrix Spike Dup (2527003-MSD1)					Source: E506244-02		Prepared: 06/29/25 Analyzed: 06/30/25		
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	56-156	1.91	20	
Surrogate: n-Nonane	50.6		50.0		101	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/2/2025 12:10:30PM
---	---	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2527013-BLK1)					Prepared: 06/30/25 Analyzed: 06/30/25				
Chloride	ND	20.0							
LCS (2527013-BS1)					Prepared: 06/30/25 Analyzed: 06/30/25				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2527013-MS1)					Source: E506246-04		Prepared: 06/30/25 Analyzed: 06/30/25		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2527013-MSD1)					Source: E506246-04		Prepared: 06/30/25 Analyzed: 06/30/25		
Chloride	252	20.0	250	ND	101	80-120	0.0626	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Conner TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/02/25 12:10

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

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

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



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Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project: Janie Corner TB				Address: 3122 National Parks Hwy		E506247	23003-0002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
14:19	6/24/2025	S	1	BH01-0'		5						X						
14:26	6/24/2025	S	1	BH01-2'		6						X						
14:32	6/24/2025	S	1	BH01-4'		7						X						
15:03	6/24/2025	S	1	BH01-6'		8						X						
15:14	6/24/2025	S	1	BH01-8'		9						X						
15:20	6/24/2025	S	1	BH01-9'		10						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: _____ Aboubakar Kone																		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____												
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: 6/27/2025 12:26:00PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/27/25 07:00	Work Order ID:	E506247
Phone:	(972) 371-5200	Date Logged In:	06/26/25 13:49	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/02/25 17:00 (3 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample 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.

Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E501247		Job Number 23003.0002		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Janie Corner TB <i>Conner TB</i>				Address: 3122 National Parks Hwy									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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
10:41	6/24/2025	S	1	SS05A-0'		1						X						1.8
11:40	6/24/2025	S	1	SS05A-1'		2						X						2.0
12:04	6/24/2025	S	1	SS06A-0'		3						X						2.3
13:33	6/24/2025	S	1	SS06A-1'		4						X						3.0
																		Corrected
																		Project name
																		per client.
																		6/30/25 OM
Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Aboubakar Kone																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____ Container type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
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 Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



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Chain of Custody

CM 6/30/25

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: Janie Conner TB Conner TB				Address: 3122 National Parks Hwy				5506247		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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA					
14:19	6/24/2025	S	1	BH01-0'		5						X										
14:26	6/24/2025	S	1	BH01-2'		6						X										
14:32	6/24/2025	S	1	BH01-4'		7						X										
15:03	6/24/2025	S	1	BH01-6'		8						X										
15:14	6/24/2025	S	1	BH01-8'		9						X										
15:20	6/24/2025	S	1	BH01-9'		10						X										

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>6/25/25</u>	Time <u>7:11</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>6-25-25</u>	Time <u>0711</u>	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent day. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>6-25-25</u>	Time <u>1500</u>	Received by: (Signature) <u>Marissa Gonzales</u>	Date <u>6-25-25</u>	Time <u>1500</u>	
Relinquished by: (Signature) <u>Marissa Gonzales</u>	Date <u>6-26-25</u>	Time <u>1620</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6-26-25</u>	Time <u>1620</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>6-26-25</u>	Time <u>2300</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>6-27-25</u>	Time <u>700</u>	

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

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



Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Janie Conner TB

Work Order: E506260

Job Number: 23003-0002

Received: 6/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/2/25

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: 7/2/25

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



Project Name: Janie Conner TB
Workorder: E506260
Date Received: 6/27/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/27/2025 7:00:00AM, under the Project Name: Janie Conner TB.

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

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

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

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

Respectfully,

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/02/25 12:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-11'	E506260-01A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BH01-13'	E506260-02A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.
BH02-0'	E506260-03A	Soil	06/25/25	06/27/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:51:51PM

BH01-11'

E506260-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526143	
Benzene	ND	0.0250	1	06/27/25	06/28/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/28/25	
Toluene	ND	0.0250	1	06/27/25	06/28/25	
o-Xylene	ND	0.0250	1	06/27/25	06/28/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/28/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.7 %	70-130	06/27/25	06/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526143	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.2 %	70-130	06/27/25	06/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2527038	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/01/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	06/30/25	07/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527044	
Chloride	7200	200	10	07/01/25	07/01/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:51:51PM

BH01-13'

E506260-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526143	
Benzene	ND	0.0250	1	06/27/25	06/28/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/28/25	
Toluene	ND	0.0250	1	06/27/25	06/28/25	
o-Xylene	ND	0.0250	1	06/27/25	06/28/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/28/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.2 %	70-130		06/27/25	06/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526143	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	81.3 %	70-130		06/27/25	06/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2527038	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/01/25	
<i>Surrogate: n-Nonane</i>	103 %	61-141		06/30/25	07/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527044	
Chloride	1730	100	5	07/01/25	07/02/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/2/2025 12:51:51PM

BH02-0'

E506260-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2526143	
Benzene	ND	0.0250	1	06/27/25	06/28/25	
Ethylbenzene	ND	0.0250	1	06/27/25	06/28/25	
Toluene	ND	0.0250	1	06/27/25	06/28/25	
o-Xylene	ND	0.0250	1	06/27/25	06/28/25	
p,m-Xylene	ND	0.0500	1	06/27/25	06/28/25	
Total Xylenes	ND	0.0250	1	06/27/25	06/28/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.7 %	70-130	06/27/25	06/28/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2526143	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/27/25	06/28/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.2 %	70-130	06/27/25	06/28/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2527038	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/30/25	07/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/30/25	07/01/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	06/30/25	07/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2527044	
Chloride	1610	40.0	2	07/01/25	07/02/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/2/2025 12:51:51PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2526143-BLK1) Prepared: 06/27/25 Analyzed: 06/28/25

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	7.45		8.00		93.1	70-130			

LCS (2526143-BS1) Prepared: 06/27/25 Analyzed: 06/28/25

Benzene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	4.99	0.0250	5.00		99.8	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	5.02	0.0250	5.00		100	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	7.60		8.00		95.0	70-130			

Matrix Spike (2526143-MS1) Source: E506250-01 Prepared: 06/27/25 Analyzed: 06/28/25

Benzene	5.26	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130			
Toluene	5.23	0.0250	5.00	ND	105	70-130			
o-Xylene	5.19	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.5	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			

Matrix Spike Dup (2526143-MSD1) Source: E506250-01 Prepared: 06/27/25 Analyzed: 06/28/25

Benzene	5.21	0.0250	5.00	ND	104	70-130	1.00	27	
Ethylbenzene	5.10	0.0250	5.00	ND	102	70-130	0.899	26	
Toluene	5.18	0.0250	5.00	ND	104	70-130	0.926	20	
o-Xylene	5.13	0.0250	5.00	ND	103	70-130	1.24	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	1.10	23	
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130	1.15	26	
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/2/2025 12:51:51PM

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 (2526143-BLK1) Prepared: 06/27/25 Analyzed: 06/28/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		88.9	70-130			

LCS (2526143-BS2) Prepared: 06/27/25 Analyzed: 06/28/25

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.92		8.00		86.6	70-130			

Matrix Spike (2526143-MS2) Source: E506250-01 Prepared: 06/27/25 Analyzed: 06/28/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.54		8.00		81.7	70-130			

Matrix Spike Dup (2526143-MSD2) Source: E506250-01 Prepared: 06/27/25 Analyzed: 06/28/25

Gasoline Range Organics (C6-C10)	40.7	20.0	50.0	ND	81.4	70-130	12.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.66		8.00		83.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/2/2025 12:51:51PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2527038-BLK1)					Prepared: 06/30/25 Analyzed: 07/01/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.6		50.0		95.1	61-141			

LCS (2527038-BS1)					Prepared: 06/30/25 Analyzed: 07/01/25				
Diesel Range Organics (C10-C28)	236	25.0	250		94.3	66-144			
Surrogate: n-Nonane	50.3		50.0		101	61-141			

Matrix Spike (2527038-MS1)					Source: E506262-02		Prepared: 06/30/25 Analyzed: 07/01/25		
Diesel Range Organics (C10-C28)	302	25.0	250	30.2	109	56-156			
Surrogate: n-Nonane	51.1		50.0		102	61-141			

Matrix Spike Dup (2527038-MSD1)					Source: E506262-02		Prepared: 06/30/25 Analyzed: 07/01/25		
Diesel Range Organics (C10-C28)	291	25.0	250	30.2	104	56-156	3.69	20	
Surrogate: n-Nonane	51.9		50.0		104	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/2/2025 12:51:51PM
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Anions by EPA 300.0/9056A

Analyst: JM

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 (2527044-BLK1)					Prepared: 07/01/25 Analyzed: 07/01/25				
Chloride	ND	20.0							
LCS (2527044-BS1)					Prepared: 07/01/25 Analyzed: 07/01/25				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2527044-MS1)					Source: E506258-03		Prepared: 07/01/25 Analyzed: 07/01/25		
Chloride	1110	20.0	250	737	149	80-120			M4
Matrix Spike Dup (2527044-MSD1)					Source: E506258-03		Prepared: 07/01/25 Analyzed: 07/01/25		
Chloride	1370	20.0	250	737	253	80-120	21.0	20	M4, R3

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Conner TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/02/25 12:51

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Page 1 of 1

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: Janie Cornner TB				Address: 3122 National Parks Hwy				E510260		2303-002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information								Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
9:31	6/25/2025	S	1	BH01-11'		1							X						
9:55	6/25/2025	S	1	BH01-13'		2							X						
12:12	6/25/2025	S	1	BH02-0'		3							X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Aboubakar Kone																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____													
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: 6/27/2025 1:48:28PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	06/27/25 07:00	Work Order ID:	E506260
Phone:	(972) 371-5200	Date Logged In:	06/26/25 15:34	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/03/25 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

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

Carrier: CourierComments/ResolutionSample 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.

Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E5010260		Job Number 2303-0002		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Janie Conner TB Conner TB				Address: 3122 National Parks Hwy									X	X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
9:31	6/25/2025	S	1	BH01-11'		1						X						
9:55	6/25/2025	S	1	BH01-13'		2						X						
12:12	6/25/2025	S	1	BH02-0'		3						X						
																		2.4
																		2.8
																		3.0
																		Corrected Project name per client 7/1/25 cm
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Aboubakar Kone																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent day. Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____										
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.																		



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Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Janie Conner TB

Work Order: E506293

Job Number: 23003-0002

Received: 7/1/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/8/25

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: 7/8/25

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



Project Name: Janie Conner TB
Workorder: E506293
Date Received: 7/1/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/1/2025 8:00:00AM, under the Project Name: Janie Conner TB.

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

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

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

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

Respectfully,

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

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

Field Offices:

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Lynn Jarboe
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Cell: 505-320-4759
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Michelle Gonzales
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Cell: 505-947-8222
mgonzaless@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: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/08/25 15:38
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-2'	E506293-01A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.
BH02-4'	E506293-02A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.
BH02-6'	E506293-03A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.
BH02-8'	E506293-04A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.
BH02-10'	E506293-05A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.
BH02-11'	E506293-06A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.
BH02-12'	E506293-07A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.
BH03-0'	E506293-08A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.
BH03-2'	E506293-09A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.
BH03-3'	E506293-10A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.
BH03-5'	E506293-11A	Soil	06/27/25	07/01/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH02-2'

E506293-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.9 %	70-130	07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2527071	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	07/02/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528001	
Chloride	1770	200	10	07/06/25	07/07/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH02-4'

E506293-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2527071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528001
Chloride	2070	100	5	07/06/25	07/07/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH02-6'

E506293-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.7 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.9 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2527071	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>	110 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528001	
Chloride	2710	200	10	07/06/25	07/07/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH02-8'

E506293-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2527071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528001
Chloride	2070	200	10	07/06/25	07/07/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH02-10'

E506293-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2527071	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528001	
Chloride	1260	100	5	07/06/25	07/07/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH02-11'

E506293-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2527071	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528001	
Chloride	1120	40.0	2	07/06/25	07/07/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH02-12'

E506293-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.3 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.1 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2527071	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>	108 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528001	
Chloride	1160	20.0	1	07/06/25	07/07/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH03-0'

E506293-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2527071	
Diesel Range Organics (C10-C28)	56.0	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	79.4	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528001	
Chloride	6760	200	10	07/06/25	07/07/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH03-2'

E506293-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2527071	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528001	
Chloride	2500	100	5	07/06/25	07/07/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH03-3'

E506293-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2527052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2528006	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/07/25	
<i>Surrogate: n-Nonane</i>						
	95.5 %	61-141		07/02/25	07/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528001	
Chloride	872	40.0	2	07/06/25	07/07/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/8/2025 3:38:17PM

BH03-5'

E506293-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Benzene	ND	0.0250	1	07/01/25	07/03/25	
Ethylbenzene	ND	0.0250	1	07/01/25	07/03/25	
Toluene	ND	0.0250	1	07/01/25	07/03/25	
o-Xylene	ND	0.0250	1	07/01/25	07/03/25	
p,m-Xylene	ND	0.0500	1	07/01/25	07/03/25	
Total Xylenes	ND	0.0250	1	07/01/25	07/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2527052
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/01/25	07/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		07/01/25	07/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2527071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/02/25	07/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/02/25	07/03/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		07/02/25	07/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528001
Chloride	1060	200	10	07/06/25	07/07/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/8/2025 3:38:17PM

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 (2527052-BLK1) Prepared: 07/01/25 Analyzed: 07/02/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

LCS (2527052-BS1) Prepared: 07/01/25 Analyzed: 07/02/25

Benzene	5.65	0.0250	5.00		113	70-130			
Ethylbenzene	5.55	0.0250	5.00		111	70-130			
Toluene	5.61	0.0250	5.00		112	70-130			
o-Xylene	5.50	0.0250	5.00		110	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.7	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			

Matrix Spike (2527052-MS1) Source: E506289-25 Prepared: 07/01/25 Analyzed: 07/02/25

Benzene	5.67	0.0250	5.00	ND	113	70-130			
Ethylbenzene	5.54	0.0250	5.00	ND	111	70-130			
Toluene	5.63	0.0250	5.00	ND	113	70-130			
o-Xylene	5.51	0.0250	5.00	ND	110	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.7	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.09		8.00		88.7	70-130			

Matrix Spike Dup (2527052-MSD1) Source: E506289-25 Prepared: 07/01/25 Analyzed: 07/03/25

Benzene	5.36	0.0250	5.00	ND	107	70-130	5.60	27	
Ethylbenzene	5.23	0.0250	5.00	ND	105	70-130	5.72	26	
Toluene	5.31	0.0250	5.00	ND	106	70-130	5.76	20	
o-Xylene	5.17	0.0250	5.00	ND	103	70-130	6.46	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	5.57	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	5.86	26	
Surrogate: 4-Bromochlorobenzene-PID	6.98		8.00		87.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/8/2025 3:38:17PM

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 (2527052-BLK1) Prepared: 07/01/25 Analyzed: 07/02/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

LCS (2527052-BS2) Prepared: 07/01/25 Analyzed: 07/02/25

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			

Matrix Spike (2527052-MS2) Source: E506289-25 Prepared: 07/01/25 Analyzed: 07/03/25

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			

Matrix Spike Dup (2527052-MSD2) Source: E506289-25 Prepared: 07/01/25 Analyzed: 07/03/25

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130	3.59	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/8/2025 3:38:17PM

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 (2527071-BLK1)					Prepared: 07/02/25 Analyzed: 07/03/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.3		50.0		115	61-141			

LCS (2527071-BS1)					Prepared: 07/02/25 Analyzed: 07/03/25				
Diesel Range Organics (C10-C28)	271	25.0	250		108	66-144			
Surrogate: n-Nonane	52.5		50.0		105	61-141			

Matrix Spike (2527071-MS1)					Source: E507001-02		Prepared: 07/02/25 Analyzed: 07/03/25		
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	56-156			
Surrogate: n-Nonane	53.7		50.0		107	61-141			

Matrix Spike Dup (2527071-MSD1)					Source: E507001-02		Prepared: 07/02/25 Analyzed: 07/03/25		
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156	1.76	20	
Surrogate: n-Nonane	52.8		50.0		106	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/8/2025 3:38:17PM

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 (2528006-BLK1)					Prepared: 07/07/25 Analyzed: 07/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.5		50.0		91.0	61-141			

LCS (2528006-BS1)					Prepared: 07/07/25 Analyzed: 07/08/25				
Diesel Range Organics (C10-C28)	234	25.0	250		93.8	66-144			
Surrogate: n-Nonane	45.1		50.0		90.3	61-141			

Matrix Spike (2528006-MS1)					Source: E507038-02		Prepared: 07/07/25 Analyzed: 07/08/25		
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	56-156			
Surrogate: n-Nonane	46.5		50.0		92.9	61-141			

Matrix Spike Dup (2528006-MSD1)					Source: E507038-02		Prepared: 07/07/25 Analyzed: 07/08/25		
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.1	56-156	0.441	20	
Surrogate: n-Nonane	45.4		50.0		90.8	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/8/2025 3:38:17PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2528001-BLK1)					Prepared: 07/06/25 Analyzed: 07/07/25				
Chloride	ND	20.0							
LCS (2528001-BS1)					Prepared: 07/06/25 Analyzed: 07/07/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2528001-MS1)					Source: E506293-04		Prepared: 07/06/25 Analyzed: 07/07/25		
Chloride	2380	200	250	2070	125	80-120			M4
Matrix Spike Dup (2528001-MSD1)					Source: E506293-04		Prepared: 07/06/25 Analyzed: 07/07/25		
Chloride	2180	200	250	2070	43.9	80-120	8.86	20	M4

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Conner TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/08/25 15:38

- 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.



Chain of Custody

Page 1 of 2

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: Janie Conner TB				Address: 3122 National Parks Hwy				E500293		23030002					X	X			
Project Manager: Ashley Giovento				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovento@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovento@ensolum.com																			

Sample Information							DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number														
8:45	6/27/2025	S	1	BH02-2'		1						X								0.9
8:53	6/27/2025	S	1	BH02-4'		2						X								2.4
9:55	6/27/2025	S	1	BH02-6'		3						X								2.4
10:08	6/27/2025	S	1	BH02-8'		4						X								1.2
10:59	6/27/2025	S	1	BH02-10'		5						X								1.7
11:09	6/27/2025	S	1	BH02-11'		6						X								3.3
11:17	6/27/2025	S	1	BH02-12'		7						X						3.0	Only run BGDOC if BH02-11' is greater than 100 TPH and 600 Cl-	
12:46	6/27/2025	S	1	BH03-0'		8						X								3.1
12:57	6/27/2025	S	1	BH03-2'		9						X								4.1
13:01	6/27/2025	S	1	BH03-3'		10						X								2.2

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

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

Sampled by: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>[Signature]</i>	6/30/25	7:11	<i>Michelle Gonzales</i>	6-30-25	0711	
<i>Michelle Gonzales</i>	6-30-25	1645	<i>[Signature]</i>	6-30-25	1700	
<i>[Signature]</i>	6-30-25	2315	<i>Carthman</i>	7-1-25	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

Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State												
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# E506293		Job Number 13003-0002		1D		2D		3D		Std X		NM	CO	UT	TX					
Project: Janie Conner TB				Address: 3122 National Parks Hwy																X								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																								
Address: 3122 National Parks Hwy				Phone: 575-988-0055																								
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																								
Phone: 575-988-0055				Miscellaneous:																								
Email: agiovengo@ensolum.com																												
Sample Information												Analysis and Method								EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					SDWA	CWA	RCRA							
13:16	6/27/2025	S	1	BH03-5'		11						X							Compliance	Y	or N							
																			PWSID #									
																			Remarks									
																			1.7									
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com																												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																												
Sampled by: Aboubakar kone																												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: Y N T1 T2 T3 AVG Temp °C																
Michelle Gonzales		6/30/25		7:11		Michelle Gonzales		6/30/25		0711																		
Michelle Gonzales		6/30/25		1645		J. J.		6/30/25		1700																		
J. J.		6/30/25		2315		auth Man		7/1/25		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: 7/1/2025 9:50:44AM

Sample Receipt Checklist (SRC)

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

Client:	Matador Resources, LLC.	Date Received:	07/01/25 08:00	Work Order ID:	E506293
Phone:	(972) 371-5200	Date Logged In:	06/30/25 15:26	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	07/08/25 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

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

Carrier: Courier**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**

Client remarks- on Sample #7 only run BGDOC if BH02-11 is greater than 100 TPH and 600 CL.

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: Janie Conner TB

Work Order: E507077

Job Number: 23003-0002

Received: 7/9/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/15/25

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: 7/15/25

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



Project Name: Janie Conner TB
Workorder: E507077
Date Received: 7/9/2025 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/9/2025 8:30:00AM, under the Project Name: Janie Conner TB.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/15/25 13:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-14'	E507077-01A	Soil	07/07/25	07/09/25	Glass Jar, 2 oz.
BH01-15'	E507077-02A	Soil	07/07/25	07/09/25	Glass Jar, 2 oz.
BH01-16'	E507077-03A	Soil	07/07/25	07/09/25	Glass Jar, 2 oz.
BH01-17'	E507077-04A	Soil	07/07/25	07/09/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/15/2025 1:10:59PM

BH01-14'

E507077-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2528109	
Benzene	ND	0.0250	1	07/09/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/11/25	
Toluene	ND	0.0250	1	07/09/25	07/11/25	
o-Xylene	ND	0.0250	1	07/09/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	83.5 %	70-130		07/09/25	07/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2528109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.8 %	70-130		07/09/25	07/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2528180	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	57.3	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>	102 %	61-141		07/11/25	07/13/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2528141	
Chloride	1870	200	10	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/15/2025 1:10:59PM

BH01-15'

E507077-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528109	
Benzene	ND	0.0250	1	07/09/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/11/25	
Toluene	ND	0.0250	1	07/09/25	07/11/25	
o-Xylene	ND	0.0250	1	07/09/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.6 %	70-130		07/09/25	07/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		07/09/25	07/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528180	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		07/11/25	07/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528141	
Chloride	1360	40.0	2	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/15/2025 1:10:59PM

BH01-16'

E507077-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2528109
Benzene	ND	0.0250	1	07/09/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/11/25	
Toluene	ND	0.0250	1	07/09/25	07/11/25	
o-Xylene	ND	0.0250	1	07/09/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.5 %	70-130		07/09/25	07/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2528109
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		07/09/25	07/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528180
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		07/11/25	07/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2528141
Chloride	1560	40.0	2	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/15/2025 1:10:59PM

BH01-17'

E507077-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528109	
Benzene	ND	0.0250	1	07/09/25	07/11/25	
Ethylbenzene	ND	0.0250	1	07/09/25	07/11/25	
Toluene	ND	0.0250	1	07/09/25	07/11/25	
o-Xylene	ND	0.0250	1	07/09/25	07/11/25	
p,m-Xylene	ND	0.0500	1	07/09/25	07/11/25	
Total Xylenes	ND	0.0250	1	07/09/25	07/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.1 %	70-130		07/09/25	07/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2528109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/09/25	07/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		07/09/25	07/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2528180	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/13/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		07/11/25	07/13/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2528141	
Chloride	1720	40.0	2	07/09/25	07/12/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/15/2025 1:10:59PM

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 (2528109-BLK1)

Prepared: 07/09/25 Analyzed: 07/09/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.71		8.00		83.8	70-130			

LCS (2528109-BS1)

Prepared: 07/09/25 Analyzed: 07/09/25

Benzene	4.71	0.0250	5.00		94.3	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.69	0.0250	5.00		93.8	70-130			
o-Xylene	4.60	0.0250	5.00		92.0	70-130			
p,m-Xylene	9.38	0.0500	10.0		93.8	70-130			
Total Xylenes	14.0	0.0250	15.0		93.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.76		8.00		84.5	70-130			

Matrix Spike (2528109-MS1)

Source: E507075-02

Prepared: 07/09/25 Analyzed: 07/09/25

Benzene	4.32	0.0250	5.00	ND	86.4	70-130			
Ethylbenzene	4.23	0.0250	5.00	ND	84.7	70-130			
Toluene	4.29	0.0250	5.00	ND	85.8	70-130			
o-Xylene	4.19	0.0250	5.00	ND	83.8	70-130			
p,m-Xylene	8.58	0.0500	10.0	ND	85.8	70-130			
Total Xylenes	12.8	0.0250	15.0	ND	85.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.9	70-130			

Matrix Spike Dup (2528109-MSD1)

Source: E507075-02

Prepared: 07/09/25 Analyzed: 07/09/25

Benzene	4.11	0.0250	5.00	ND	82.3	70-130	4.90	27	
Ethylbenzene	4.01	0.0250	5.00	ND	80.1	70-130	5.50	26	
Toluene	4.07	0.0250	5.00	ND	81.3	70-130	5.40	20	
o-Xylene	3.95	0.0250	5.00	ND	79.0	70-130	5.93	25	
p,m-Xylene	8.09	0.0500	10.0	ND	80.9	70-130	5.78	23	
Total Xylenes	12.0	0.0250	15.0	ND	80.3	70-130	5.83	26	
Surrogate: 4-Bromochlorobenzene-PID	7.03		8.00		87.9	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/15/2025 1:10:59PM

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 (2528109-BLK1) Prepared: 07/09/25 Analyzed: 07/09/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

LCS (2528109-BS2) Prepared: 07/09/25 Analyzed: 07/09/25

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike (2528109-MS2) Source: E507075-02 Prepared: 07/09/25 Analyzed: 07/09/25

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.3	70-130			

Matrix Spike Dup (2528109-MSD2) Source: E507075-02 Prepared: 07/09/25 Analyzed: 07/09/25

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.7	70-130	14.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/15/2025 1:10:59PM

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 (2528180-BLK1)					Prepared: 07/11/25 Analyzed: 07/13/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.3		50.0		103	61-141			

LCS (2528180-BS1)					Prepared: 07/11/25 Analyzed: 07/13/25				
Diesel Range Organics (C10-C28)	266	25.0	250		106	66-144			
Surrogate: n-Nonane	49.0		50.0		98.0	61-141			

Matrix Spike (2528180-MS1)					Source: E507074-01		Prepared: 07/11/25 Analyzed: 07/13/25		
Diesel Range Organics (C10-C28)	1000	50.0	250	978	10.1	56-156			M4
Surrogate: n-Nonane	57.0		50.0		114	61-141			

Matrix Spike Dup (2528180-MSD1)					Source: E507074-01		Prepared: 07/11/25 Analyzed: 07/13/25		
Diesel Range Organics (C10-C28)	1300	50.0	250	978	129	56-156	25.8	20	R3
Surrogate: n-Nonane	60.5		50.0		121	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/15/2025 1:10:59PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2528141-BLK1)					Prepared: 07/09/25 Analyzed: 07/12/25				
Chloride	ND	20.0							
LCS (2528141-BS1)					Prepared: 07/09/25 Analyzed: 07/12/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2528141-MS1)					Source: E507068-03		Prepared: 07/09/25 Analyzed: 07/12/25		
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2528141-MSD1)					Source: E507068-03		Prepared: 07/09/25 Analyzed: 07/12/25		
Chloride	259	20.0	250	ND	104	80-120	0.337	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Conner TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/15/25 13:10

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Page 1 of 1

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

Envirotech Analytical Laboratory

Printed: 7/9/2025 9:45:45AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	07/09/25 08:30	Work Order ID:	E507077
Phone:	(972) 371-5200	Date Logged In:	07/08/25 13:58	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	07/15/25 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

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

Carrier: CourierComments/ResolutionSample 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: Janie Conner TB

Work Order: E507089

Job Number: 23003-0002

Received: 7/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/16/25

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: 7/16/25

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



Project Name: Janie Conner TB
Workorder: E507089
Date Received: 7/10/2025 7:00:00AM

Ashley Giovengo,

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

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

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

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

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

Respectfully,

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

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/16/25 15:55
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-6'	E507089-01A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
BH03-7'	E507089-02A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
BH03-8'	E507089-03A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
BH03-9'	E507089-04A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
BH03-10'	E507089-05A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.
BH03-11'	E507089-06A	Soil	07/08/25	07/10/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/16/2025 3:55:12PM

BH03-6'

E507089-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		112 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		109 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		112 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		109 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528181
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/14/25	
Surrogate: n-Nonane		96.7 %	61-141	07/11/25	07/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	1510	200	10	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/16/2025 3:55:12PM

BH03-7'

E507089-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		109 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		109 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528181
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/14/25	
Surrogate: n-Nonane		98.6 %	61-141	07/11/25	07/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	433	40.0	2	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/16/2025 3:55:12PM

BH03-8'

E507089-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		112 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		112 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528181
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/14/25	
Surrogate: n-Nonane		96.5 %	61-141	07/11/25	07/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	721	40.0	2	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/16/2025 3:55:12PM

BH03-9'

E507089-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		112 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		112 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		108 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528181
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/14/25	
Surrogate: n-Nonane		90.7 %	61-141	07/11/25	07/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	1530	200	10	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/16/2025 3:55:12PM

BH03-10'

E507089-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		112 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		109 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		112 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		109 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528181
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/14/25	
Surrogate: n-Nonane		99.1 %	61-141	07/11/25	07/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	1280	200	10	07/09/25	07/12/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Janie Conner TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/16/2025 3:55:12PM

BH03-11'

E507089-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Benzene	ND	0.0250	1	07/10/25	07/14/25	
Ethylbenzene	ND	0.0250	1	07/10/25	07/14/25	
Toluene	ND	0.0250	1	07/10/25	07/14/25	
o-Xylene	ND	0.0250	1	07/10/25	07/14/25	
p,m-Xylene	ND	0.0500	1	07/10/25	07/14/25	
Total Xylenes	ND	0.0250	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		111 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		107 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2528156
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/25	07/14/25	
Surrogate: Bromofluorobenzene		111 %	70-130	07/10/25	07/14/25	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	07/10/25	07/14/25	
Surrogate: Toluene-d8		107 %	70-130	07/10/25	07/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2528181
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/25	07/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/25	07/14/25	
Surrogate: n-Nonane		98.1 %	61-141	07/11/25	07/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2528148
Chloride	1450	200	10	07/09/25	07/12/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/16/2025 3:55:12PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2528156-BLK1)

Prepared: 07/10/25 Analyzed: 07/14/25

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: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS (2528156-BS1)

Prepared: 07/10/25 Analyzed: 07/14/25

Benzene	2.37	0.0250	2.50		94.7	70-130			
Ethylbenzene	2.48	0.0250	2.50		99.1	70-130			
Toluene	2.37	0.0250	2.50		94.7	70-130			
o-Xylene	2.41	0.0250	2.50		96.3	70-130			
p,m-Xylene	4.81	0.0500	5.00		96.2	70-130			
Total Xylenes	7.22	0.0250	7.50		96.2	70-130			
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

Matrix Spike (2528156-MS1)

Source: E507088-03

Prepared: 07/10/25 Analyzed: 07/14/25

Benzene	2.26	0.0250	2.50	ND	90.4	48-131			
Ethylbenzene	2.36	0.0250	2.50	ND	94.5	45-135			
Toluene	2.27	0.0250	2.50	ND	90.9	48-130			
o-Xylene	2.37	0.0250	2.50	ND	94.7	43-135			
p,m-Xylene	4.71	0.0500	5.00	ND	94.2	43-135			
Total Xylenes	7.08	0.0250	7.50	ND	94.4	43-135			
Surrogate: Bromofluorobenzene	0.568		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

Matrix Spike Dup (2528156-MSD1)

Source: E507088-03

Prepared: 07/10/25 Analyzed: 07/14/25

Benzene	2.27	0.0250	2.50	ND	90.9	48-131	0.596	23	
Ethylbenzene	2.38	0.0250	2.50	ND	95.4	45-135	0.927	27	
Toluene	2.28	0.0250	2.50	ND	91.2	48-130	0.242	24	
o-Xylene	2.39	0.0250	2.50	ND	95.6	43-135	0.967	27	
p,m-Xylene	4.75	0.0500	5.00	ND	94.9	43-135	0.761	27	
Total Xylenes	7.14	0.0250	7.50	ND	95.2	43-135	0.830	27	
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/16/2025 3:55:12PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2528156-BLK1) Prepared: 07/10/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS (2528156-BS2) Prepared: 07/10/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		93.0	70-130			
Surrogate: Bromofluorobenzene	0.560		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

Matrix Spike (2528156-MS2) Source: E507088-03 Prepared: 07/10/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.5	70-130			
Surrogate: Bromofluorobenzene	0.575		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

Matrix Spike Dup (2528156-MSD2) Source: E507088-03 Prepared: 07/10/25 Analyzed: 07/14/25

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.3	70-130	0.290	20	
Surrogate: Bromofluorobenzene	0.575		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/16/2025 3:55:12PM

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 (2528181-BLK1)					Prepared: 07/11/25 Analyzed: 07/14/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.7	61-141			

LCS (2528181-BS1)					Prepared: 07/11/25 Analyzed: 07/14/25				
Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	50.0		50.0		100	61-141			

Matrix Spike (2528181-MS1)					Source: E507112-04		Prepared: 07/11/25 Analyzed: 07/14/25		
Diesel Range Organics (C10-C28)	304	25.0	250	37.7	107	56-156			
Surrogate: n-Nonane	51.3		50.0		103	61-141			

Matrix Spike Dup (2528181-MSD1)					Source: E507112-04		Prepared: 07/11/25 Analyzed: 07/14/25		
Diesel Range Organics (C10-C28)	298	25.0	250	37.7	104	56-156	2.05	20	
Surrogate: n-Nonane	51.3		50.0		103	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/16/2025 3:55:12PM
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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 (2528148-BLK1)					Prepared: 07/09/25 Analyzed: 07/12/25				
Chloride	ND	20.0							
LCS (2528148-BS1)					Prepared: 07/09/25 Analyzed: 07/12/25				
Chloride	259	20.0	250		103	90-110			
Matrix Spike (2528148-MS1)					Source: E507088-04		Prepared: 07/09/25 Analyzed: 07/12/25		
Chloride	575	20.0	250	232	137	80-120			M2
Matrix Spike Dup (2528148-MSD1)					Source: E507088-04		Prepared: 07/09/25 Analyzed: 07/12/25		
Chloride	571	20.0	250	232	135	80-120	0.772	20	M2

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Conner TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/16/25 15:55

- 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.



Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Janie Conner TB				Address: 3122 National Parks Hwy		E507089		Job Number				23003-0002					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								X					
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
10:22	7/8/2025	S	1	BH03-6'		1						X					
10:58	7/8/2025	S	1	BH03-7'		2						X					
11:27	7/8/2025	S	1	BH03-8'		3						X					
11:47	7/8/2025	S	1	BH03-9'		4						X					
12:05	7/8/2025	S	1	BH03-10'		5						X					
14:03	7/8/2025	S	1	BH03-11'		6						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: <u>Aboubakar Kone</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg 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 T1 _____ T2 _____ T3 _____ AVG Temp °C _____									
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

Envirotech Analytical Laboratory

Printed: 7/10/2025 10:07:28AM

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:	07/10/25 07:00	Work Order ID:	E507089
Phone:	(972) 371-5200	Date Logged In:	07/09/25 16:43	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	07/16/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample 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.



APPENDIX E

NMOCD Correspondence

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 471766

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 471766
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Janie Conner TB
Date Release Discovered	06/06/2025
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: High Line Pressure Pipeline (Any) Produced Water Released: 32 BBL Recovered: 10 BBL Lost: 22 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)	Check Valves failed from the SWD pipeline to the SWD pump discharge line resulting in over pressuring the SWD poly line to the SWD pumps

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

QUESTIONS, Page 2

Action 471766

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 471766
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

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

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

ACKNOWLEDGMENTS

Action 471766

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 471766
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 471766

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 471766
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/7/2025

Impacted Soil On-Pad	
Saturated Soil (inches)	
	12
Area (sq. ft.)	
	383
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
	3
Soil type	
pad caliche	
Spill type	
produced water	
Barrel estimate in soil	
	13.6
Barrel estimate (standing fluids/ recovered+in soil)	
	16.6

Impacted Soil On-Pad	
Saturated Soil (inches)	
	3
Area (sq. ft.)	
	901
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
	3
Soil type	
pad caliche	
Spill type	
produced water	
Barrel estimate in soil	
	8.0
Barrel estimate (standing fluids/ recovered+in soil)	
	11.0

Pooled Fluids on the Surface										
	Length (ft.)	Width (ft.)	Depth (in)	# of Boundaries *edges of pool where depth is 0. don't count shared boundaries	Oil-Water Ratio (%)	Pooled Area (ft ²)	Estimated Average Depth (ft.)	Pooled Volume (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)
Rectangle A	10.0	200.0	0.5	4.0	0.01	2000.0	0.0	3.7	0.00	0.00
Rectangle B					0.01	0.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle C						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E						0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total Volume (bbls):								3.71	0.00	0.00

Subsurface Fluids										
	Length (ft.)	Width (ft.)	Depth (in.)	Saturation (%) *10% in consolidated sediments after rain to 50% in sand with no precipitation	Oil-Water Ratio (%)	Area (ft ²)	Volume (bbl.)	Estimated Volume in Subsurface (bbl.)	Volume of Oil in Subsurface (bbl.)	Volume of Water in Subsurface (bbl.)
Rectangle A	0.0	0.0	4.0	0.1	0.01	0.0	0.0	0.0	0.00	0.0
Rectangle B				0.1	0.01	0.0	0.0	0.0	0.00	0.0
Rectangle C				0.1	0.01	0.0	0.0	0.0	0.00	0.0
Rectangle D				0.1	0.01	0.0	0.0	0.0	0.00	0.0
Rectangle E				0.1	0.01	0.0	0.0	0.0	0.00	0.0
Rectangle F						0.0	0.0	0.0	0.00	0.0
Rectangle G						0.0	0.0	0.0	0.00	0.0
Rectangle H						0.0	0.0	0.0	0.00	0.0
Rectangle I						0.0	0.0	0.0	0.00	0.0
Rectangle J						0.0	0.0	0.0	0.00	0.0
Total Volume (bbls):								0.00	0.00	0.00

TOTAL RELEASE VOLUME (bbls):	3.7
------------------------------	-----

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

QUESTIONS

Action 472482

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472482
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515826889
Incident Name	NAPP2515826889 JANIE CONNER TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2202573074] JANIE CONNOR FACILITY TANK BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JANIE CONNER TB
Date Release Discovered	06/06/2025
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
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	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: High Line Pressure Pipeline (Any) Produced Water Released: 32 BBL Recovered: 10 BBL Lost: 22 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)	Check Valves failed from the SWD pipeline to the SWD pump discharge line resulting in over pressuring the SWD poly line to the SWD pumps

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QUESTIONS, Page 2

Action 472482

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472482
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/10/2025
--	--

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 472482

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472482
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>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.</i>	
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	
<i>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.</i>	
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>	

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

CONDITIONS

Action 472482

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 472482
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	6/10/2025

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

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

QUESTIONS

Action 484291

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 484291
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515826889
Incident Name	NAPP2515826889 JANIE CONNER TB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2202573074] JANIE CONNOR FACILITY TANK BATTERY

Location of Release Source	
Site Name	JANIE CONNER TB
Date Release Discovered	06/06/2025
Surface Owner	Private

Liner Inspection Event Information	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	5,274
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	07/16/2025
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Tank Containment
Please provide any information necessary for navigation to liner inspection site	32.22184,-104.0511

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

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

CONDITIONS

Action 484291

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 484291
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	7/11/2025

From: [Rodgers, Scott, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Ashley Giovengo](#); [Jason Touchet](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Janie Conner TB - nAPP2515826889 - Background Chloride Variance
Date: Wednesday, June 18, 2025 2:35:33 PM
Attachments: [image007.png](#)
[image008.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)

[**EXTERNAL EMAIL**]

Chad,

The variance request to use the background sampling from incident# nAPP2422623967 for incident# nAPP2515826889 is approved.

Thank you and please let me know if you have any questions,

Scott

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

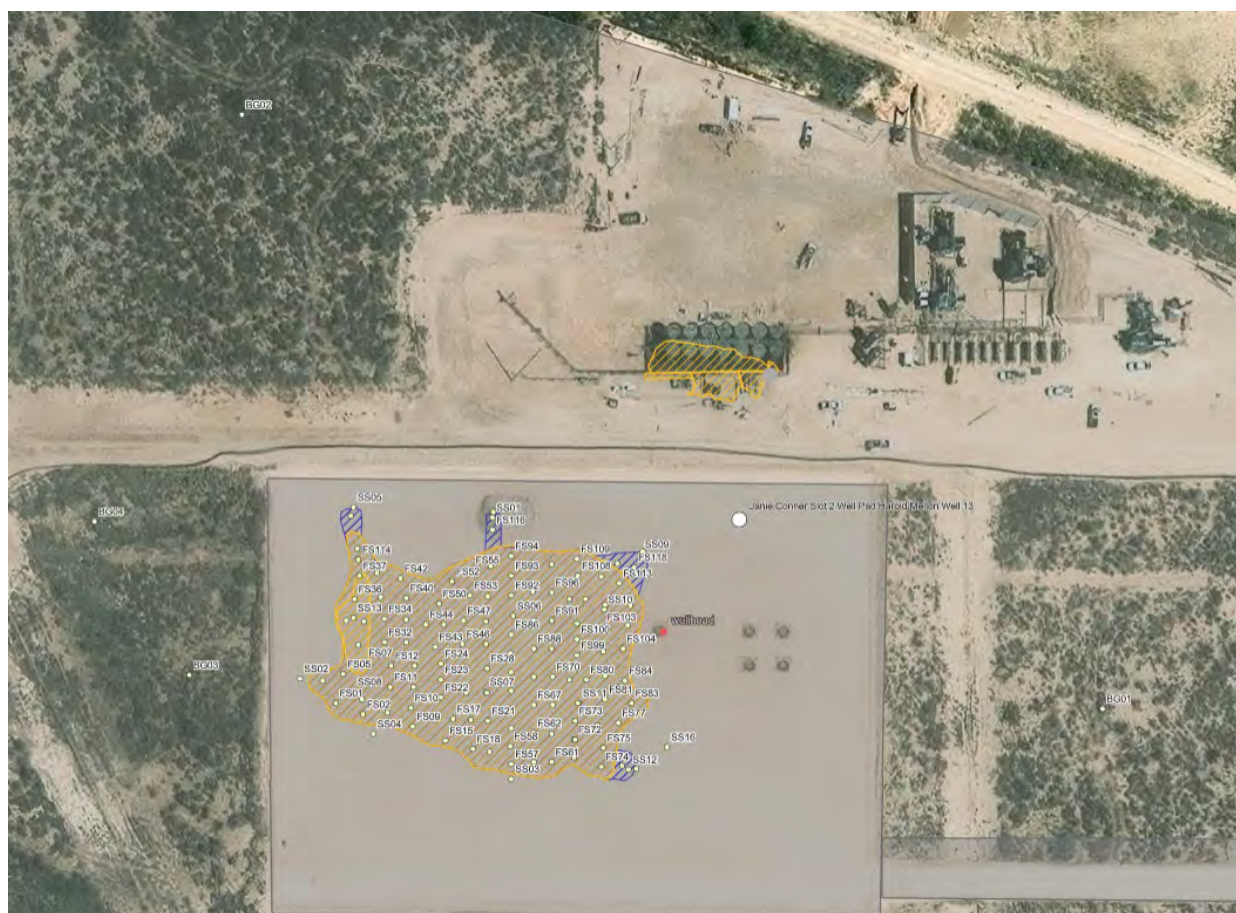


From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, June 9, 2025 12:31 PM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>
Subject: [EXTERNAL] Janie Conner TB - nAPP2515826889 - Background Chloride Variance

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

Scott,

Matador Production Company (Matador) had a release at the Janie Conner TB (Site) Incident Number nAPP2515826889 on June 6, 2025. This Site neighbors a previous release at the Janie Conner Slot 2 Well Pad Harold Melton well 13 (Incident Number 2422623967) that has an approved background chloride variance. The chloride variance was approved by Shelly Wells on January 31, 2025. Will the approved background chloride variance also be accepted for this Site? The Site is adjacent to the Janie Conner Slot 2 Well Pad Harold Melton well 13 with a pipeline right-of-way separating the two sites. The background chloride sample locations also neighbor the Site with one being directly to the west, two to the southwest, and one to the south; all of which were collected in preapproved, previously undisturbed, and well vegetated areas, please see the attached map for release and background sample locations.



Thanks,



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

From: [Rodgers, Scott, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Ashley Giovengo](#); [Jason Touchet](#)
Subject: RE: [EXTERNAL] Extension Request - Matador Production Company - Janie Conner TB - nAPP2515826889
Date: Thursday, September 4, 2025 9:07:58 AM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

[**EXTERNAL EMAIL**]

Your time extension request is approved. Remediation Due date has been updated to December 3, 2025 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

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

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

Thank you,
Scott

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



From: Chad Hamilton <chamilton@ensolum.com>
Sent: Thursday, September 4, 2025 8:42 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>
Subject: [EXTERNAL] Extension Request - Matador Production Company - Janie Conner TB - nAPP2515826889

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

Mr. Rodgers,

Matador Production Company (Matador) is requesting an extension of the current deadline of September 4, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Janie Conner TB (Site) (Incident Number nAPP2515826889). The release occurred on June 6, 2025, and 32 barrels (bbls) of produced water were released onto the pad surface; 10 bbls of produced water were recovered. Overspray from the release impacted a lined secondary containment onsite and the remainder of the release impacted an area approximately 1,500 square feet in size on-pad and on Private Land. Ensolum personnel completed a liner integrity inspection on July 16, 2025, and a 48-hour advance notice was submitted to the New Mexico Oil Conservation Division (NMOCD) via web portal on July 11, 2025. During the inspection, one hole was identified in the liner, however the hole was outside of the mapped release extent. Lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria is currently on-going. Excavation of the subject matter release will begin once delineation soil sampling activities have been completed at the Site. 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 December 3, 2025. 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 t

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

QUESTIONS

Action 531632

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 531632
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515826889
Incident Name	NAPP2515826889 JANIE CONNER TB @ FAPP2202573074
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2202573074] JANIE CONNER FACILITY TANK BATTERY

Location of Release Source*Please answer all the questions in this group.*

Site Name	JANIE CONNER TB
Date Release Discovered	06/06/2025
Surface Owner	Private

Incident Details*Please answer all the questions in this group.*

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*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: High Line Pressure Pipeline (Any) Produced Water Released: 32 BBL Recovered: 10 BBL Lost: 22 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)	Check Valves failed from the SWD pipeline to the SWD pump discharge line resulting in over pressuring the SWD poly line to the SWD pumps

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QUESTIONS, Page 2

Action 531632

QUESTIONS (continued)

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QUESTIONS

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

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 12/03/2025
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QUESTIONS, Page 3

Action 531632

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
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QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 500 and 1000 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1000 (ft.) and ½ (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>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.</i>	
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)	18800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	135
GRO+DRO (EPA SW-846 Method 8015M)	56
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>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>	
On what estimated date will the remediation commence	01/05/2026
On what date will (or did) the final sampling or liner inspection occur	01/19/2026
On what date will (or was) the remediation complete(d)	01/19/2026
What is the estimated surface area (in square feet) that will be reclaimed	1943
What is the estimated volume (in cubic yards) that will be reclaimed	98
What is the estimated surface area (in square feet) that will be remediated	1943
What is the estimated volume (in cubic yards) that will be remediated	98
<i>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.</i>	
<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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QUESTIONS, Page 4

Action 531632

QUESTIONS (continued)

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QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	<i>Not answered.</i>
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<i>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>	
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: 12/03/2025
<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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QUESTIONS, Page 5

Action 531632

QUESTIONS (continued)

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QUESTIONS

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

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QUESTIONS, Page 6

Action 531632

QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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CONDITIONS

Action 531632

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
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CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation work plan is approved.	12/8/2025