



February 25, 2025

New Mexico Energy Minerals and Natural Resources Department

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

**Re: Closure Request
Janie Conner Slot 2 Well Pad Harold Melton Well 13
Incident Number nAPP2422623967
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Janie Conner Slot 2 Well Pad Harold Melton Well 13 (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following an equipment failure during fracking operations. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2422623967.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit H, Section 14, Township 24 South, Range 28 East, in Eddy County, New Mexico (32.22156°, -104.05138°) and is associated with oil and gas exploration and production operations on private land.

On August 12, 2024, an equipment failure during fracking operations occurred resulting in the release of 24 bbls of produced water on pad. A vacuum truck was immediately dispatched to recover standing fluid, 20 bbls were recovered. Matador submitted a Release Notification Form C-141 (C-141) on August 13, 2024. The Form C-141 can be referenced on the New Mexico Oil Conservation Division (NMOCD) Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04828 POD1, located approximately 0.42 miles west of the Site. The well had a reported depth to groundwater greater than 55 feet below ground surface (bgs). There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features,

wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an irrigation canal, located approximately 466 feet north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

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

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. 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. Background soil sample locations are presented on Figure 2. The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following EPA Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. Field screening results and lithologic observations were logged on lithologic soil sampling logs, which are included in Appendix B.

NMOCD approved a naturally occurring chloride concentration limit, via email on January 31, 2025, of 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 at the Site (see Appendix E). These concentrations were utilized to laterally and vertically delineate the release in lieu of 600 mg/kg.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On August 14, August 29, September 9, October 8, October 9, and October 10, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Preliminary soil samples SS01 through SS05, SS09, and SS12 were collected at ground surface and 1-foot bgs to assess the lateral extent of the release area. Six boreholes (SS06 through SS08, SS10, SS11, and SS13) were advanced within the release extent to assess the vertical extent of impacted soil; borehole SS10 was advanced to a depth of 4 feet bgs, borehole SS06

was advanced to a depth of 6 feet bgs, boreholes SS11 and SS13 were advanced to a depth of 8 feet bgs, and boreholes SS07 and SS08 were advanced to a depth of 10 feet bgs.

On February 5, 2025, Ensolum personnel returned to the Site to collect preliminary soil samples SS01A, SS09A, and SS12A at ground surface to better define the lateral extent of the release area utilizing the approved lateral chloride concentration limit. The preliminary soil samples and boreholes were field screened for chloride and TPH utilizing Hatch QuanTab® chloride test strips and a PetroFLAG® Soil Analyzer System, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 3. Photographs from delineation and excavation activities can be referenced in the Photolog in Appendix C. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech for analysis of BTEX, TPH, and chloride.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on January 13, 2025, impacted soil was excavated from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a road grader, backhoe, and belly dump trucks. To direct excavation activities, Ensolum personnel screened soil for chloride and TPH utilizing the processes described above.

Following the removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 400 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS119) were collected from the floor of the excavation ranging in depth from ground surface to 1-foot bgs. A confirmation sampling variance request was submitted on January 13, 2025, to increase the sampling area to every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation, where applicable. The confirmation sampling variance request was approved via email on January 13, 2025 (see Appendix E). The surface scrape was accomplished utilizing a road grader. This equipment did not allow for an even scrape area, causing some sample areas to be uneven and not have definable edges. Areas adjoining the edge of the excavation that extend to 1-foot bgs are included in this as they did not have definable edge and ranged in depth from ground surface to 1-foot bgs. Due to this, sidewall samples were not collected from areas around the excavation extent. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 4.

The final excavation extent measured approximately 47,485 square feet. A total of approximately 1,120 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land, LLC and R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS02 through SS05 were all in compliance with the Site Closure Criteria and with the approved chloride variance request at ground surface. Laboratory analytical results for boreholes SS06 through SS08, SS10, SS11, and SS13 indicated all COCs were in

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compliance with the Site Closure Criteria at 1-foot bgs. Laboratory analytical results for boreholes SS11 and SS13 indicated COCs were in compliance with the strictest Closure Criteria per NMOCD Table I at 6 feet bgs, 4 feet bgs in borehole SS10, 9 feet bgs in borehole SS08, and 10 feet bgs in borehole SS07

Laboratory analytical results for excavation floor soil samples (FS01 through FS119) indicated all COC concentrations were compliant with the Site Closure Criteria per NMOCD Table I at depths ranging from ground surface to 1-foot bgs. Laboratory analytical results are summarized in Tables 1, 2, and 3 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined in accordance with the approved naturally occurring chloride variance by delineation soil samples SS01A, SS02 through SS05, SS09A, and SS12A, collected at ground surface, and vertically by boreholes SS06 through SS08, SS10, SS11, and SS13, collected at depths up to 10 feet bgs. Excavation of impacted soil was completed, and excavation floor samples FS01 through FS119, collected at depths ranging from ground surface to 1-foot bgs were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date and a depth to groundwater greater than 55 feet bgs, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2422623967.

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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to be "C. J. [unclear]".

A handwritten signature in black ink, appearing to be "D. [unclear]".

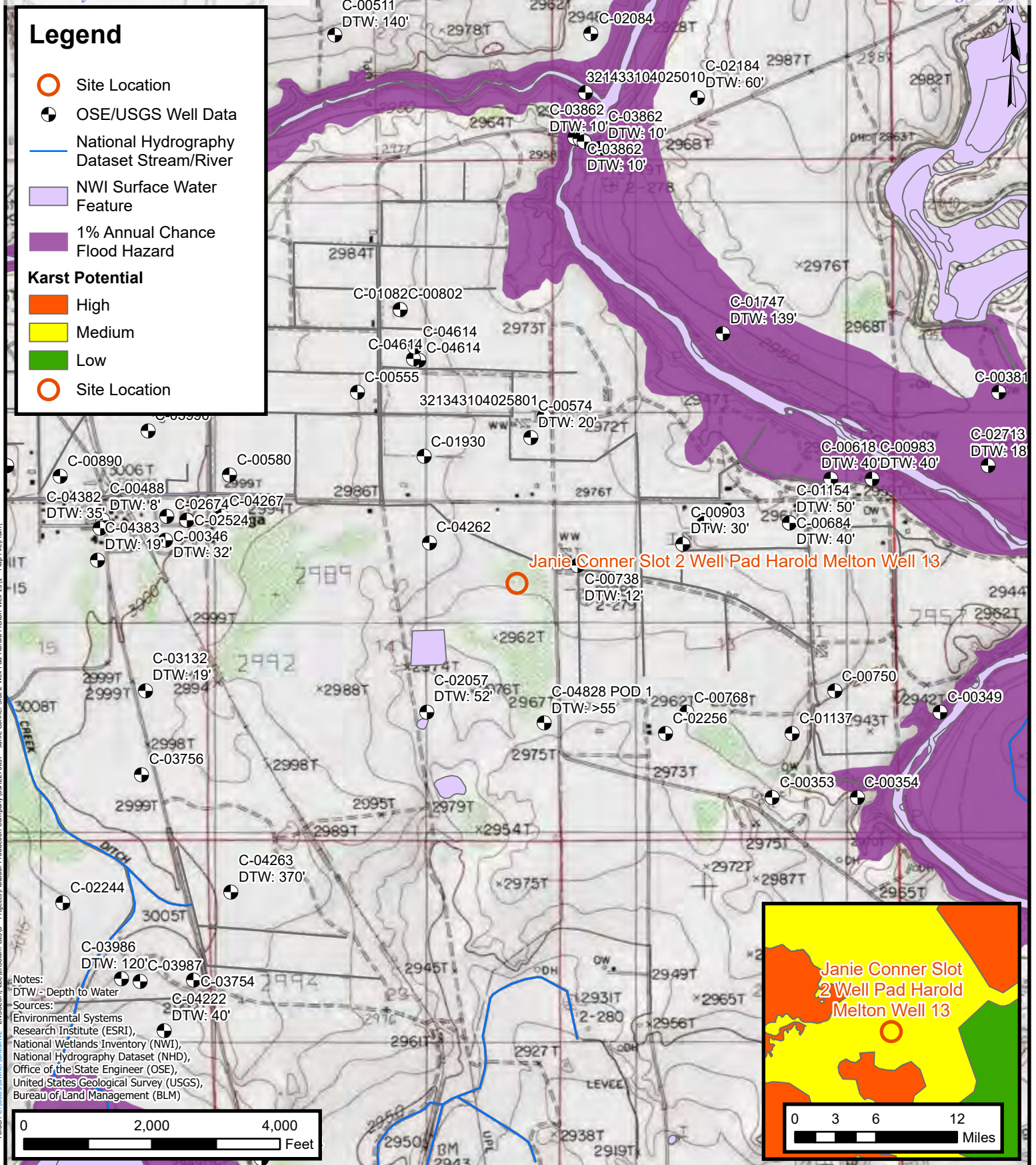
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Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Background Soil Sample Locations
Figure 4	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Background Soil Samples)
Table 3	Soil Sample Analytical Results (Excavation Soil Samples)
Appendix A	Referenced Well Records
Appendix B	Lithologic / Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Notifications

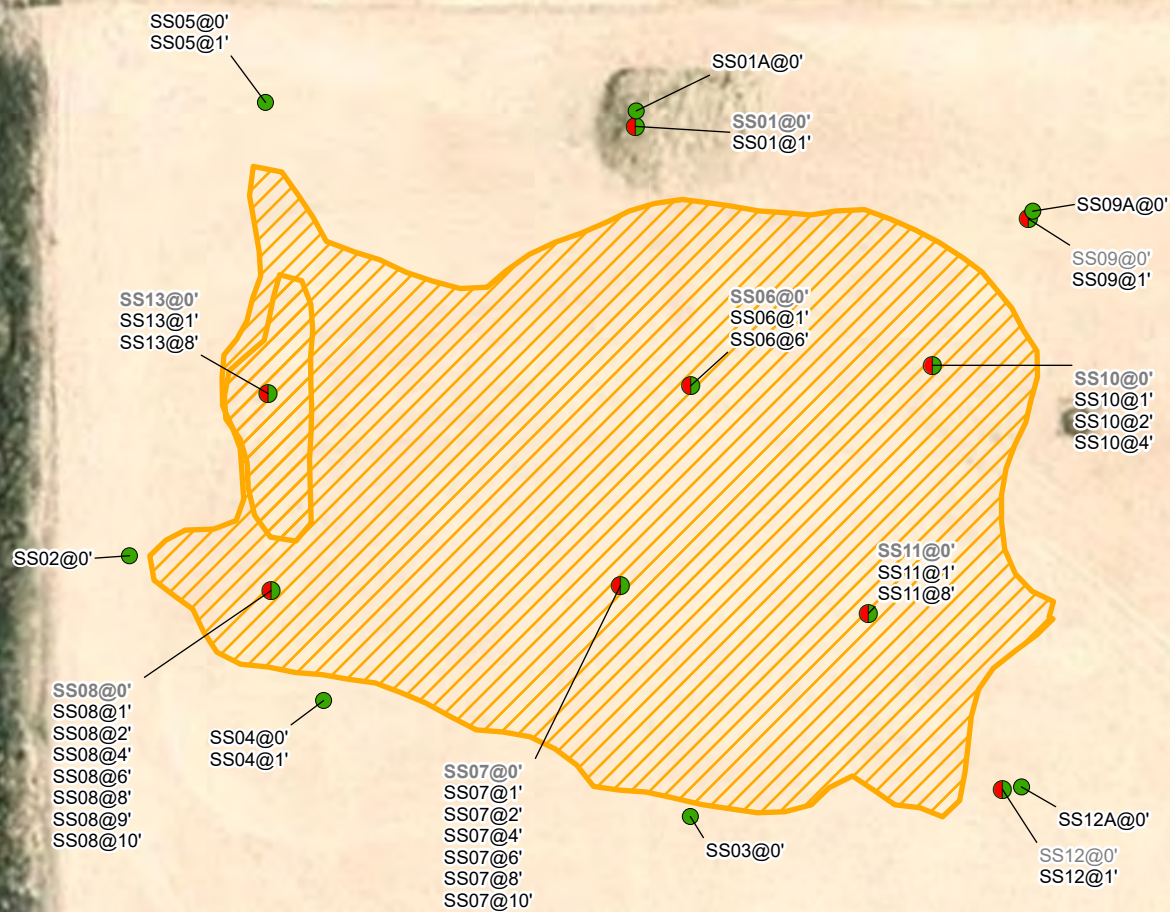


FIGURES



Legend

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

**Notes:**

Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable closure criteria.
 Grey text indicate soil sample was removed during excavation activities.

0 15 30 60 90 120
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

Matador Production Company
 Janie Conner Slot 2 Well Pad Harlod Melton Well 13
 Incident Number: nAPP2422623967
 Unit H, Sec 14, T24S, R28E
 Eddy County, New Mexico

FIGURE**2**

Legend

- ▲ Background Sample
- Excavation Extent

BG02@0'
BG02@1'
BG02@2'
BG02@3'

BG04@0'
BG04@1'
BG04@2'
BG04@3'

BG03@0'
BG03@1'
BG03@2'
BG03@3'

BG01@0'
BG01@1'
BG01@2'
BG01@3'

Notes:
Sample ID @ Depth Below Ground Surface.

0 50 100 200 300 400
Feet

Sources: Environmental Systems Research Institute (ESRI)



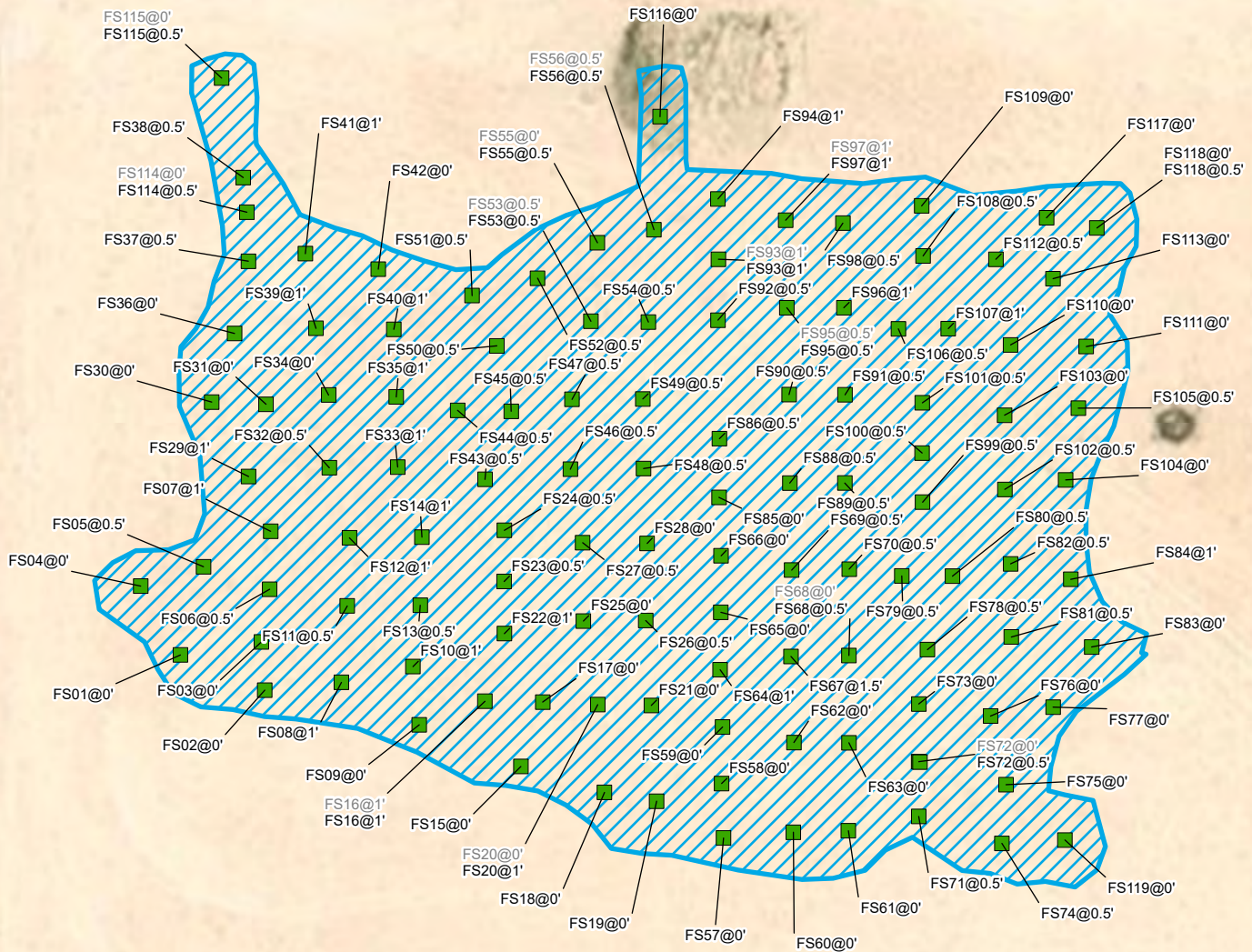
Background Sample Locations

Matador Production Company
Janie Conner Slot 2 Well Pad Harlod Melton Well 13
Incident Number: nAPP2422623967
Unit H, Sec 14, T24S, R28E
Eddy County, New Mexico

FIGURE
3

Legend

- Excavation Floor Sample
in Compliance with
Closure Criteria
- Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable
 closure criteria.
 Grey text indicate soil sample was removed during
 excavation activities.

0 12.5 25 50 75 100
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Excavation Soil Sample Locations

Matador Production Company
 Janie Conner Slot 2 Well Pad Harlod Melton Well 13
 Incident Number: nAPP2422623967
 Unit H, Sec 14, T24S, R28E
 Eddy County, New Mexico

FIGURE

4





TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Janie Conner Slot 2 Well Pad Harold Melton Well
 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	1,000	2,500	10,000
Delineation Soil Samples										
SS01	10/9/2024	0	<0.0250	<0.0500	<20.0	170	<50.0	170	170	1,570
SS01	10/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	1,060
SS01A	2/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	1,090
SS02	9/4/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	<200
SS03	9/4/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	285
SS04	10/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	2,860
SS04	10/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	2,390
SS05	10/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	1,860
SS05	10/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	1,260
SS06	10/9/2024	0	<0.0250	0.188	<20.0	30,100	23,000	30,100	53,100	20,200
SS06	10/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	2,180
SS06	10/9/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	424
SS07	10/9/2024	0	<0.0250	<0.0500	<20.0	1,710	1,070	1,710	2,780	3,450
SS07	10/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<25.0	3,540
SS07	1/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	2,400
SS07	1/17/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	2,080
SS07	1/17/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	2,250
SS07	1/20/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	1,450
SS07	1/20/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	302
SS08	10/9/2024	0	<0.0250	<0.0500	<20.0	141	188	141	329	1,350
SS08	10/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	3,090
SS08	1/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	3,870
SS08	1/17/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	3,810
SS08	1/17/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	3,310
SS08	1/20/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	1,520
SS08	1/20/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	458
SS08	1/20/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	249
SS09	10/9/2024	0	<0.0250	<0.0500	<20.0	165	127	165	292	5,150
SS09	10/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	1,760
SS09A	2/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	3,740
SS10	10/9/2024	0	<0.0250	<0.0500	<20.0	2,760	1,840	2,760	4,600	37,700
SS10	10/9/2024	1	<0.0250	<0.0500	<20.0	59.5	<50.0	59.5	59.5	2,200
SS10	1/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	1,020
SS10	1/20/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	517



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Janie Conner Slot 2 Well Pad Harold Melton Well 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	1,000	2,500	10,000
Delineation Soil Samples										
SS11	10/9/2024	0	<0.0250	<0.0500	<20.0	14,600	42,100	14,600	56,700	37,600
SS11	10/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	54.8	<20.0	54.8	4,910
SS11	10/10/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	448
SS12	10/9/2024	0	<0.0250	<0.0500	<20.0	50.7	179	50.7	229.7	506
SS12	10/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	108.0	<20.0	108	2,550
SS12A	2/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	2,550
SS13	10/9/2024	0	<0.0250	<0.0500	<20.0	1,730	<50.0	1,730	1,730	670
SS13	10/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	4,640
SS13	10/10/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<25.0	300

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD 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 2
SOIL SAMPLE ANALYTICAL RESULTS
 Janie Conner Slot 2 Well Pad Harold Melton Well
 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	1,000	2,500	10,000
Background Soil Samples										
BG01	1/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	786
BG01	1/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	697
BG01	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,210
BG01	1/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,800
BG02	1/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,210
BG02	1/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,770
BG02	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	3,540
BG02	1/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,890
BG03	1/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	15,100
BG03	1/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	6,860
BG03	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,710
BG03	1/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,130
BG04	1/13/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	27,100
BG04	1/13/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,560
BG04	1/13/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	3,830
BG04	1/13/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	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

<": 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 Slot 2 Well Pad Harold Melton Well
 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS01	1/16/2025	0	<0.0250	<0.0500	<20.0	761	<50.0	761	761	1,860
FS02	1/16/2025	0	<0.0250	<0.0500	<20.0	123	57.4	123	180.4	1,780
FS03	1/16/2025	0	<0.0250	<0.0500	<20.0	448	509	448	957	4,900
FS04	1/16/2025	0	<0.0250	<0.0500	<20.0	106	98.8	106	204.8	2,990
FS05	1/16/2025	0.5	<0.0250	<0.0500	<20.0	97.1	86.7	97.1	183.8	5,650
FS06	1/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	3,910
FS07	1/16/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	7,090
FS08	1/15/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,220
FS09	1/15/2025	0	<0.0250	<0.0500	<20.0	155	106	155	261	2,320
FS10	1/15/2025	1	<0.0250	<0.0500	<20.0	28.9	<50.0	28.9	28.9	4,600
FS11	1/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,900
FS12	1/16/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	6,690
FS13	1/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,360
FS14	1/16/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,470
FS15	1/15/2025	0	<0.0250	<0.0500	<20.0	51.4	<50.0	51.4	51.4	1,810
FS16	1/15/2025	1	<0.0250	<0.0500	<20.0	48.7	<50.0	48.7	48.7	4,980
FS16	1/16/2025	1	<0.0250	<0.0500	<20.0	244	147	244	391	4,720
FS17	1/15/2025	0	<0.0250	<0.0500	<20.0	197	79.0	197	276	3,300
FS18	1/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,360
FS19	1/15/2025	0	<0.0250	<0.0500	<20.0	162	78.8	162	240.8	1,740
FS20	1/15/2025	0	<0.0250	0.377	<20.0	5,120	65.6	5,120	5,186	1,830
FS20	2/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,320
FS21	1/15/2025	0	<0.0250	0.342	20.8	303	138	323.8	461.8	2,690
FS22	1/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,310
FS23	1/16/2025	0.5	<0.0250	<0.0500	<20.0	61.7	<50.0	61.7	61.7	6,280
FS24	1/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,730
FS25	1/15/2025	0	<0.0250	<0.0500	<20.0	301	663.0	301	964	6,670
FS26	1/17/2025	0.5	<0.0250	<0.0500	<20.0	41.1	139	41.1	180	3,310
FS27	1/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,420
FS28	1/15/2025	0	<0.0250	0.0688	<20.0	<25.0	68.8	<20.0	68.8	4,480
FS29	1/16/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,700
FS30	1/17/2025	0	<0.0250	<0.0500	<20.0	107	76.7	107	184	5,700
FS31	1/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	6,400
FS32	1/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	6,630

TABLE 3 SOIL SAMPLE ANALYTICAL RESULTS Janie Conner Slot 2 Well Pad Harold Melton Well 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS33	1/16/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	7,330
FS34	1/16/2025	0	<0.0250	<0.0500	<20.0	91.2	<50.0	91.2	91.2	7,300
FS35	1/16/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,860
FS36	1/17/2025	0	<0.0250	<0.0500	<20.0	206	159	206	365	4,070
FS37	1/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,520
FS38	1/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	677
FS39	1/16/2025	1	<0.0250	<0.0500	<20.0	36.9	<50.0	36.9	36.9	9,210
FS40	1/16/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,690
FS41	1/16/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,800
FS42	1/16/2025	0	<0.0250	<0.0500	<20.0	418	58.8	418	476.8	7,020
FS43	1/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,680
FS44	1/16/2025	0.5	<0.0250	<0.0500	<20.0	60.7	58.8	60.7	120	9,170
FS45	1/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	9,950
FS46	1/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	3,000
FS47	1/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,090
FS48	1/16/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,350
FS49	1/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,980
FS50	1/16/2025	0.5	<0.0250	<0.0500	<20.0	223	<50.0	223	223	2,620
FS51	1/16/2025	0.5	<0.0250	<0.0500	<20.0	102	<50.0	102	102	5,160
FS52	1/16/2025	0.5	<0.0250	<0.0500	<20.0	32.9	<50.0	32.9	32.9	4,550
FS53	1/16/2025	0.5	<0.0250	<0.0500	<20.0	1,330	1,530	1,330	2,860	4,750
FS53	2/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,440
FS54	1/16/2025	0.5	<0.0250	<0.0500	<20.0	52.5	93.3	52.5	146	2,230
FS55	1/15/2025	0	<0.0250	<0.0500	<20.0	742	131.0	742	873	5,120
FS55	1/16/2025	0.5	<0.0250	<0.0500	<20.0	250	<50.0	250	250	5,870
FS56	1/16/2025	0.5	<0.0250	0.139	21.6	3,200	68.9	3,222	3,291	5,650
FS56	2/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,410
FS57	1/15/2025	0	<0.0250	<0.0500	<20.0	38.4	<50.0	38.4	38.4	1,200
FS58	1/15/2025	0	<0.0250	0.0265	<20.0	196	<50.0	196	196	1,280
FS59	1/15/2025	0	<0.0250	<0.0500	<20.0	487	429.0	487	916	1,740
FS60	1/15/2025	0	<0.0250	<0.0500	<20.0	125	<50.0	125	125	1,460
FS61	1/15/2025	0	<0.0250	<0.0500	<20.0	85.9	<50.0	85.9	85.9	1,650

TABLE 3 SOIL SAMPLE ANALYTICAL RESULTS Janie Conner Slot 2 Well Pad Harold Melton Well 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS62	1/15/2025	0	<0.0250	<0.0500	<20.0	516	484.0	516	1,000	1,930
FS63	1/15/2025	0	<0.0250	<0.0500	<20.0	367	57.3	367	424	1,860
FS64	1/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,810
FS65	1/15/2025	0	<0.0250	<0.0500	<20.0	296	275.0	296	571	6,800
FS66	1/15/2025	0	<0.0250	<0.0500	<20.0	58.6	<50.0	58.6	58.6	7,350
FS67	1/17/2025	1.5	<0.0250	<0.0500	<20.0	31.1	<50.0	31.1	31.1	5,160
FS68	1/15/2025	0	<0.0250	<0.0500	<20.0	2,550	10,700.0	2,550	13,250	6,480
FS68	2/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,490
FS69	1/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,860
FS70	1/15/2025	0.5	<0.0250	<0.0500	<20.0	30.7	139.0	30.7	169.7	3,980
FS71	1/15/2025	0.5	<0.0250	<0.0500	<20.0	30.3	59.8	30.3	90.1	4,380
FS72	1/15/2025	0	<0.0250	<0.0500	<20.0	1,430	62.3	1,430	1,492.30	1,820
FS72	2/5/2025	0.5	<0.0250	<0.0500	<20.0	552	<50.0	552	552	4,310
FS73	1/15/2025	0	<0.0250	<0.0500	<20.0	657	1,310.0	657	1,957	2,810
FS74	1/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	66.4	<20.0	66.4	4,650
FS75	1/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	664.0	<20.0	664	2,080
FS76	1/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,980
FS77	1/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,620
FS78	1/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,400
FS79	1/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,050
FS80	1/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,050
FS81	1/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	4,390
FS82	1/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,000
FS83	1/15/2025	0	<0.0250	<0.0500	<20.0	72.5	106.0	72.5	178.5	5,980
FS84	1/16/2025	1	<0.0250	<0.0500	<20.0	129	129.0	129	258	5,180
FS85	1/15/2025	0	<0.0250	<0.0500	<20.0	49.1	<50.0	49.1	49.1	6,690
FS86	1/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	3,230
FS87	1/15/2025	0	<0.0250	<0.0500	<20.0	566	324.0	566	890	6,820
FS88	1/15/2025	0.5	<0.0250	<0.0500	<20.0	58.6	68.8	58.6	127.4	3,850
FS89	1/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	5,190
FS90	1/16/2025	0.5	<0.0250	<0.0500	<20.0	316	77.0	316	393	4,630
FS91	1/16/2025	0.5	<0.0250	<0.0500	<20.0	371	<50.0	371	371	6,660

TABLE 3 SOIL SAMPLE ANALYTICAL RESULTS Janie Conner Slot 2 Well Pad Harold Melton Well 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS92	1/16/2025	0.5	<0.0250	<0.0500	<20.0	68.7	<50.0	68.7	68.7	1,630
FS93	1/16/2025	1	<0.0250	0.212	<20.0	1,670	<50.0	1,670	1,670	1,520
FS93	2/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	910
FS94	1/16/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,510
FS95	1/16/2025	0.5	<0.0250	<0.0500	<20.0	1,270	<50.0	1,270	1,270	3,410
FS95	2/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	958
FS96	1/16/2025	1	<0.0250	1.89	59.1	6,130	69.0	6,189	6,258	6,180
FS96	2/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,860
FS97	1/16/2025	1	<0.0250	<0.0500	28.8	2,030	<50.0	2,059	2,059	2,970
FS97	2/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,700
FS98	1/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,160
FS99	1/15/2025	0.5	<0.0250	<0.0500	<20.0	88.6	219.0	88.6	308	4,310
FS100	1/15/2025	0.5	<0.0250	<0.0500	<20.0	152	281.0	152	433	5,880
FS101	1/17/2025	0.5	<0.0250	<0.0500	<20.0	266	<50.0	266	266	3,310
FS102	1/15/2025	0.5	<0.0250	<0.0500	<20.0	70.2	105	70.2	175	4,610
FS103	1/15/2025	0	<0.0250	<0.0500	<20.0	55.2	<50.0	55.2	55.2	6,810
FS104	1/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	6,030
FS105	1/15/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2.66
FS106	1/17/2025	0.5	<0.0250	<0.0500	<20.0	504	<50.0	504	504	3,000
FS107	1/16/2025	1	<0.0250	0.0759	<20.0	448	70.4	448	518	4,620
FS108	1/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,320
FS109	1/15/2025	0	<0.0250	<0.0500	<20.0	156	<50.0	156	156	5,910
FS110	1/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,420
FS111	1/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	6,590
FS112	1/16/2025	0.5	<0.0250	0.102	<20.0	74.0	76.9	74.0	151	1,990
FS113	1/15/2025	0	<0.0250	<0.0500	<20.0	182	151.0	182	333	3,150
FS114	1/17/2025	0	<0.0250	<0.0500	<20.0	2,100	4,980	2,100	7,080	1,830
FS114	2/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,300
FS115	1/17/2025	0	<0.0250	<0.0500	<20.0	5,020	<50.0	5,020	5,020	1,560
FS115	2/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,040
FS116	1/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,000
FS117	1/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	1,940



TABLE 3 SOIL SAMPLE ANALYTICAL RESULTS Janie Conner Slot 2 Well Pad Harold Melton Well 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	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS118	1/17/2025	0	<0.0250	<0.0500	<20.0	3,760	<50.0	3,760	3,760	2,250
FS118	2/5/2025	0.5	<0.0250	<0.0500	<20.0	88.4	<50.0	88.4	88.4	2,160
FS119	1/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<20.0	<20.0	2,570

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD 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



APPENDIX A

Referenced Well Records



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

4. HYDROGEOLOGIC LOG OF WELL

5. TEST; RIG SUPERVISION


6. SIGNATURE


FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2





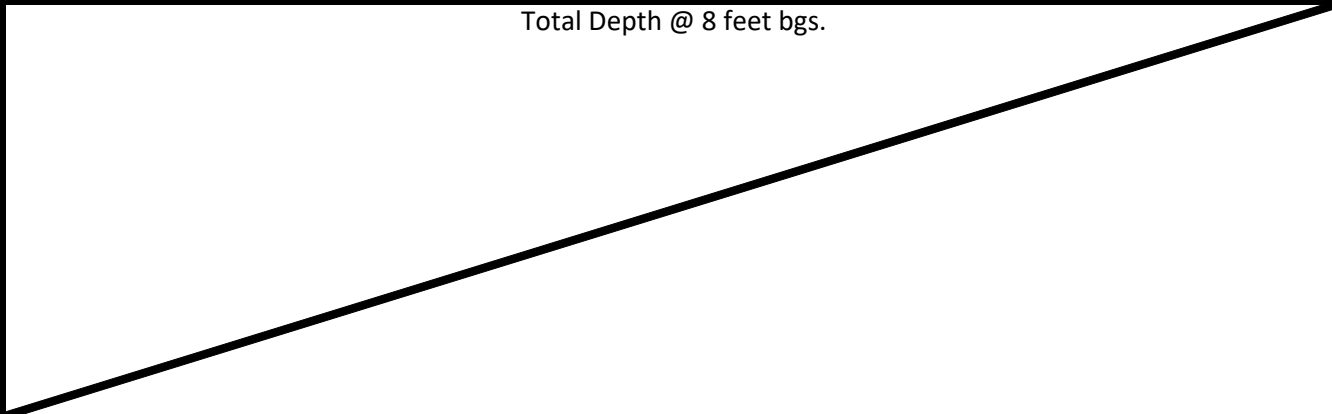
APPENDIX B


Lithologic Soil Sampling Logs


								Sample Name: SS06		Date: 10/9/2024			
								Site Name: Janie Conner Slot 2 Well Pad Harold Melton Well					
								Incident Number: nAPP2422623967					
								Job Number: 03A2270057					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Cole Burton		Method: Backhoe			
Coordinates: 32.221332, -104.052038								Hole Diameter: 3'		Total Depth: 8' (Feet)			
Comments: Field screening conducted with HACH Chloride Test Strips for chlorides. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
D	15,030		N	SS06	0	0	CCHE	Caliche - Pad caliche.					
M	2,587		N	SS06	1	1	SC	Clayey sand with gravel - Medium plasticity, cohesive, tan.					
M	2,419		N	SS06	2	2							
M	1,607		N	SS06	3	3							
M	1,109		N	SS06	4	4							
M	851		N	SS06	5	5							
M	409		N	SS06	6	6							
M	515		N	SS06	7	7							
M	459		N	SS06	8	8							
Total Depth @ 8 feet bgs.													


 ENSOLUM		Sample Name: SS07		Date: 1/20/2025				
		Site Name: Janie Conner Slot 2 Well Pad Harold Melton Well						
		Incident Number: nAPP2422623967						
		Job Number: 03A2270057						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.221148, -104.052116			Logged By: Chad Hamilton		Method: Backhoe			
			Hole Diameter: 2 ft		Total Depth: 10 ft			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	5,376		Y	SS07	0	0	CCHE	Pad Caliche
M	2,974		N	SS07	1	1	CH	Sandy Fat Clay - Medium to Dark Brown, Very Fine to Coarse Grain, Moist, Low Plasticity, Cohesive, Non-Uniform, Massive, Abrupt
M	2,699		N	SS07	2	2		
M	2,195		N		3	3		
M	2,346		N	SS07	4	4		
M	2,699		N		5	5	SC	Clayey Sand with Caliche Gypsum Mix - Medium to Light Brown, Coarse to Fine Grain, Moist, Non-Plastic, Noncohesive, Non-Uniform, Massive, Abrupt
M	2,346		N	SS07	6	6		
M	2,195		N		7	7		
M	1,137		N	SS07	8	8		
M	426		N	SS07	9	9	SC	Sandy Clay with Caliche Gypsum Mix - White to Grey, Coarse to Fine Grain, Moist, Non-Plastic, Noncohesive, Non-Uniform, Massive, Abrupt
M	241		N	SS07	10	10		
Total Depth @ 10 feet bgs.								


							Sample Name: SS08		Date: 1/20/2025	
							Site Name: Janie Conner Slot 2 Well Pad Harold Melton Well			
							Incident Number: nAPP2422623967			
							Job Number: 03A2270057			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: Chad Hamilton		Method: Backhoe	
Coordinates: 32.221146, -104.052492							Hole Diameter: 2 ft		Total Depth: 12 ft	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D	1,607		Y	SS08		0	CCHE	Pad Caliche		
M	4,099		N	SS08		1	CH	Sandy Fat Clay - Medium to Dark Brown, Very Fine to Coarse Grain, Moist, Low Plasticity, Cohesive, Non-Uniform, Massive, Abrupt, Visible Salt Crystal Growth		
M	>3,600		N	SS08	2	2				
						3				
M	>3,600		N	SS08	4	4				
M	>3,600		N	SS08	5	5				
M	>3,600		N	SS08	6	6				
M	1,910		N	SS08	7	7				
M	1,333		N	SS08	8	8				
M	426		N	SS08	9	9	SC	Clay Sand with Caliche Gypsum Mix - Medium to Light Brown, Coarse to Fine Grain, Moist, Non-Plastic, Noncohesive, Non-Uniform, Massive, Abrupt		
M	168		N	SS08	10	10				
M	168		N	SS08	11	11				
M	202		N	SS08	12	12				


 ENSOLUM		Sample Name: SS10		Date: 1/20/2025				
		Site Name: Janie Conner Slot 2 Well Pad Harold Melton Well						
		Incident Number: nAPP2422623967						
		Job Number: 03A2270057						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.221348, -104.051777			Logged By: Chad Hamilton		Method: Backhoe			
			Hole Diameter: 2 ft		Total Depth: 8 ft			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	33,958		Y	SS10	0	0	CCHE	Pad Caliche
M	2,587		N	SS10	1	1	CH	Sandy Clay - White to Grey, Very Fine to Coarse Gravel, Moist, Low Pasticity, Cohesive, Non-Uniform, Massive
M	1,047		N	SS10	2	2		
M			N	SS10		3		
M	427	3	N	SS10	4	4		
M			N	SS10		5		
M	427		N	SS10	6	6		
M			N	SS10		7		
M	427		N	SS10	8	8		
Total Depth @ 8 feet bgs.								


								Sample Name: SS11		Date: 10/10/2024	
								Site Name: Janie Conner Slot 2 Well Pad Harold Melton Well			
								Incident Number: nAPP2422623967			
								Job Number: 03A2270057			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Cole Burton		Method: Backhoe	
Coordinates: 32.221118, -104.051850								Hole Diameter: 3'		Total Depth: 10' (Feet)	
Comments: Field screening conducted with HACH Chloride Test Strips for chlorides. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	26,443		Y		0	0	CCHE	Pad caliche.			
M	4,553		N		1	1	SC	Clayey sand with gravel - Medium plasticity, cohesive, tan.			
M	5,830		N		2	2					
M	2,974		N		3	3					
					4	4					
M	1,512		N		5	5					
M	1,512		N		6	6					
M	778		N		7	7					
M	420		N		8	8					
M	286		N		9	9					
M	370		N		10	10					
Total Depth @10 feet bgs.											

								Sample Name: SS13		Date: 10/10/2024	
								Site Name: Janie Conner Slot 2 Well Pad Harold Melton Well			
								Incident Number: nAPP2422623967			
								Job Number: 03A2270057			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Cole Burton		Method: Backhoe	
Coordinates: 32.2213273, -104.0524931								Hole Diameter: 3'		Total Depth: 9' (Feet)	
Comments: Field screening conducted with HACH Chloride Test Strips for chlorides. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	706		Y	SS13	0	0	CCHE	Pad caliche.			
M	5,667		N	SS13	1	1	SC	Clayey sand with gravel - Medium plasticity, cohesive, tan.			
M	5,376		N	SS13	2	2					
M	5,830		N	SS13	3	3					
M	2,005		N	SS13	4	4					
M	1,019		N	SS13	5	5					
M	711		N	SS13	6	6					
M	644		N	SS13	7	7					
M	330		N	SS13	8	8					
M	420		N	SS13	9	9					
Total Depth @ 9 feet bgs.											

 ENSOLUM		Sample Name: BG01		Date: 1/13/2025				
		Site Name: Janie Conner Slot 2 Well Pad Harold Melton Well						
		Incident Number: nAPP2422623967						
		Job Number: 03A2270057						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.221106, -104.050353			Logged By: Chad Hamilton		Method: Backhoe			
			Hole Diameter: 2 ft		Total Depth: 3 ft			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	638		N	BG01	0	0	CH	Sandy Clay with Gravel - Medium to Light Brown, Coarse to Fine Grain with Small to Large Gravel, Non-Plastic, Noncohesive, Dry, Non-Uniform, Massive
D	465		N	BG01	1	1		
D	638		N	BG01	2	2		
D	997		N	BG01	3	3		
Total Depth @ 3 feet bgs.								

 ENSOLUM		Sample Name: BG02		Date: 1/13/2025				
		Site Name: Janie Conner Slot 2 Well Pad Harold Melton Well						
		Incident Number: nAPP2422623967						
		Job Number: 03A2270057						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.222545, -104.052811			Logged By: Chad Hamilton		Method: Backhoe			
			Hole Diameter: 2 ft		Total Depth: 3 ft			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3,590		N	BG02	0	0	CH	Sandy Clay with Gravel - Medium to Light Brown, Coarse to Fine Grain with Small to Large Gravel, Non-Plastic, Noncohesive, Dry at Surface Moisture Begins to Occur at approx. 1-foot bgs, Non-Uniform, Massive, Abrupt, Visible Salt Crystal Growth
M	3,321		N	BG02	1	1		
M	3,321		N	BG02	2	2		
M	1,982		N	BG02	3	3	SW-SM	Sand with Silt - Medium to Dark Brown, Coarse to Fine Grain, Non-Plastic, Noncohesive, Moist, Non-Uniform, Massive, Abrupt, Visible Salt Crystal Growth
Total Depth @ 3 feet bgs.								

 ENSOLUM		Sample Name: BG03		Date: 1/13/2025				
		Site Name: Janie Conner Slot 2 Well Pad Harold Melton Well						
		Incident Number: nAPP2422623967						
		Job Number: 03A2270057						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.221189, -104.052961			Logged By: Chad Hamilton		Method: Backhoe			
			Hole Diameter: 2 ft		Total Depth: 3 ft			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3,590		N	BG03	0	0	CH	Sandy Clay with Gravel - Medium to Light Brown, Coarse to Fine Grain with Small to Large Gravel, Non-Plastic, Noncohesive, Dry at Surface Moisture Begins to Occur at approx. 1-foot bgs, Non-Uniform, Massive, Abrupt, Visible Salt Crystal Growth
M	>3,590		N	BG03	1	1		
M	>3,590		N	BG03	2	2		
M	>3,590		N	BG03	3	3	SC	Clayey Sand - Dark to Medium Brown Coarse to Very Fine Grain with Small to Large Gravel, Low Plasticity, Cohesive, Moist, Non-Uniform, Massive, Visible Salt Crystal Growth
Total Depth @ 3 feet bgs.								

 ENSOLUM		Sample Name: BG04		Date: 1/13/2025				
		Site Name: Janie Conner Slot 2 Well Pad Harold Melton Well						
		Incident Number: nAPP2422623967						
		Job Number: 03A2270057						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.221561, -104.053233			Logged By: Chad Hamilton		Method: Backhoe			
			Hole Diameter: 2 ft		Total Depth: 3 ft			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3,590		N	BG04	0	0	CH	Sandy Clay with Gravel - Medium to Light Brown, Coarse to Fine Grain with Small to Large Gravel, Non-Plastic, Noncohesive, Dry at Surface Moisture Begins to Occur at approx. 1-foot bgs, Non-Uniform, Massive, Abrupt, Visible Salt Crystal Growth
M	>3,590		N	BG04	1	1		
M	>3,590		N	BG04	2	2		
M	2,296		N	BG04	3	3	SC	Clayey Sand - Dark to Medium Brown Coarse to Very Fine Grain with Small to Large Gravel, Non-Plastic, Noncohesive, Moist, Non-Uniform, Massive, Visible Salt Crystal Growth
Total Depth @ 3 feet bgs.								



APPENDIX C

Photographic Log



Photographic Log

Matador Production Company

Janie Connor Slot 2 Well Pad Harold Melton Well 13

nAPP2422623967



Photograph 1
Description: Site Signage
View: Southwest
Date: 8/29/2024



Photograph 2
Description: Release Area
View: Northwest
Date: 8/29/2024



Photograph 3
Description: Release Area
View: Southeast
Date: 8/29/2024



Photograph 4
Description: Background Sampling (BG01)
View: Southeast
Date: 10/08/2024



Photographic Log

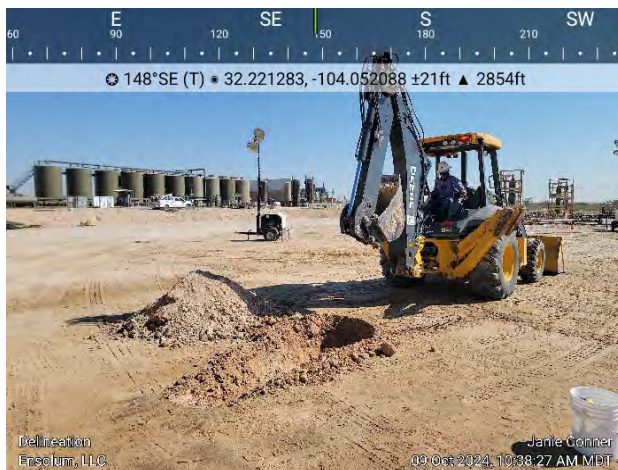
Matador Production Company
Janie Connor Slot 2 Well Pad Harold Melton Well 13
nAPP2422623967



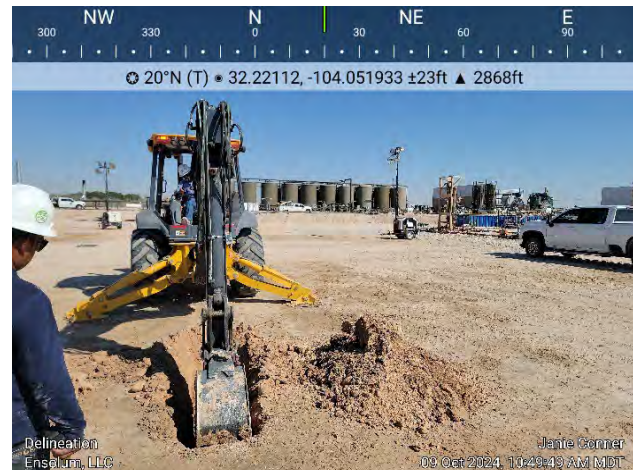
Photograph 5 Date: 10/08/2024
Description: Background Sampling (BG02)
View: West



Photograph 6 Date: 10/08/2024
Description: Background Sampling (BG03)
View: Northeast



Photograph 7 Date: 10/09/2024
Description: Vertical Delineation
View: Southeast

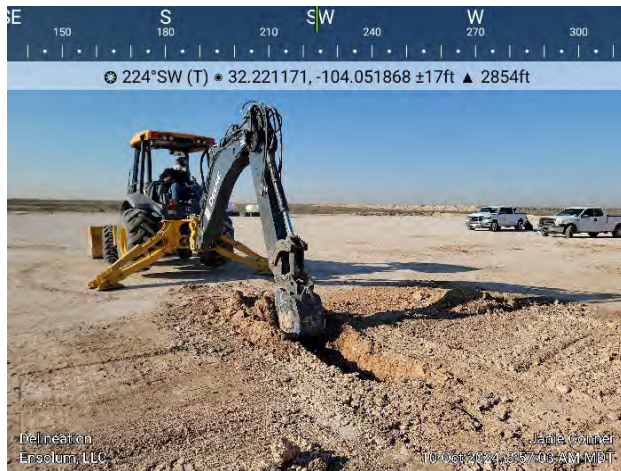


Photograph 8 Date: 10/09/2024
Description: Vertical Delineation
View: North



Photographic Log

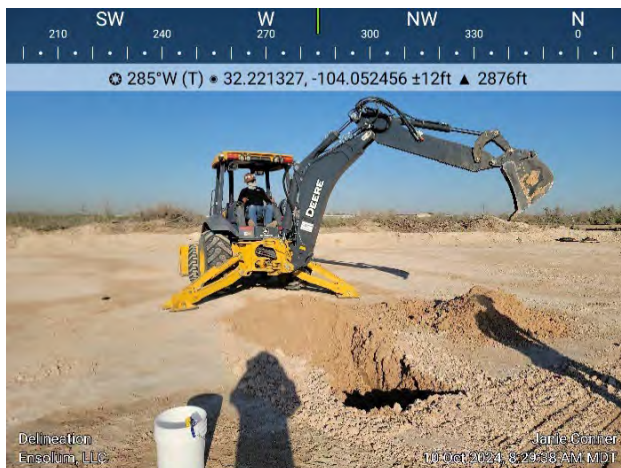
Matador Production Company
Janie Connor Slot 2 Well Pad Harold Melton Well 13
nAPP2422623967



Photograph 9 Date: 10/10/2024
Description: Vertical Delineation
View: Southwest



Photograph 10 Date: 10/10/2024
Description: Lateral Delineation
View: Northeast



Photograph 11 Date: 10/10/2024
Description: Vertical Delineation
View: West



Photograph 12 Date: 10/10/2024
Description: Delineation
View: North



Photographic Log

Matador Production Company

Janie Connor Slot 2 Well Pad Harold Melton Well 13

nAPP2422623967

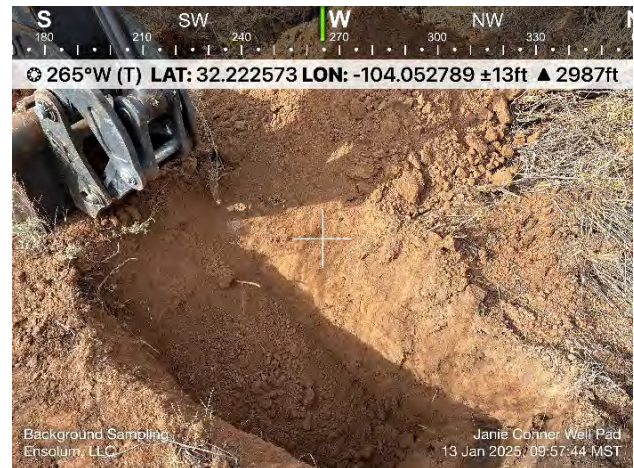


Photograph 13

Date: 1/13/2025

Description: Background Sampling

View: North

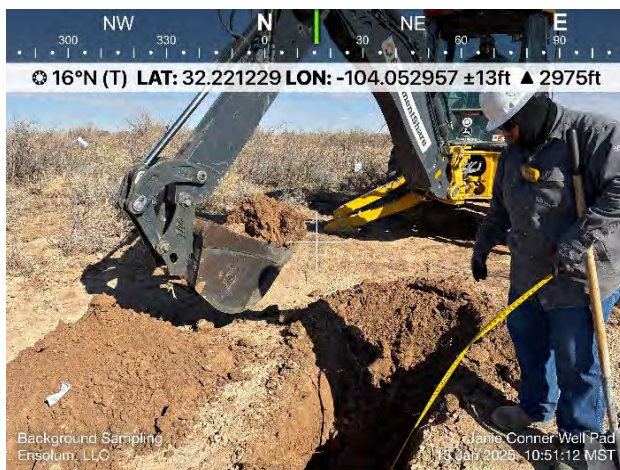


Photograph 14

Date: 1/13/2025

Description: Background Sampling

View: West

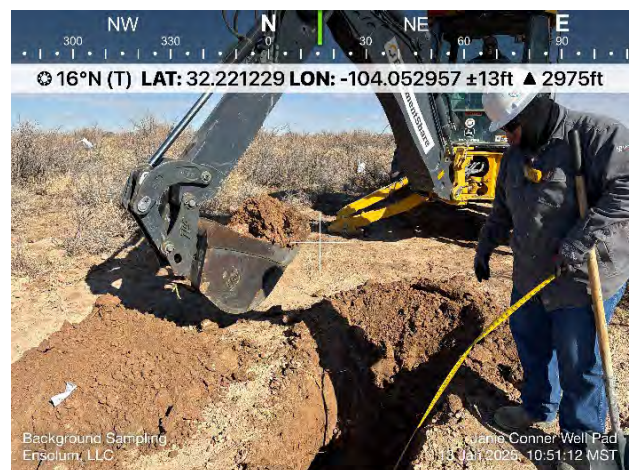


Photograph 15

Date: 1/13/2025

Description: Background Sampling

View: North



Photograph 16

Date: 1/13/2025

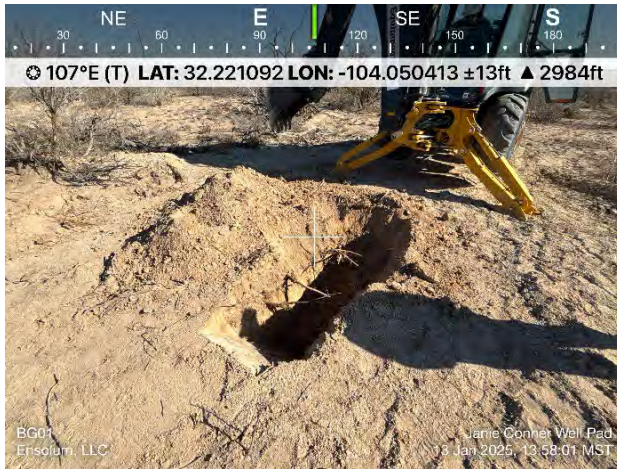
Description: Background Sampling

View: North



Photographic Log

Matador Production Company
Janie Connor Slot 2 Well Pad Harold Melton Well 13
nAPP2422623967



Photograph 17
Description: BG01
View: East

Date: 1/13/2025



Photograph 18
Description: BG02
View: North

Date: 1/13/2025



Photograph 19
Description: BG03
View: Northeast

Date: 1/13/2025



Photograph 20
Description: BG04
View: Southwest

Date: 1/13/2025



Photographic Log

Matador Production Company
Janie Connor Slot 2 Well Pad Harold Melton Well 13
nAPP2422623967



Photograph 21
Description: Scrape
View: North

Date: 1/14/2025



Photograph 22
Description: Scrape
View: North

Date: 1/14/2025



Photograph 23
Description: Scrape
View: Northwest

Date: 1/14/2025



Photograph 24
Description: Scrape
View: Northeast

Date: 1/14/2025



Photographic Log

Matador Production Company
Janie Connor Slot 2 Well Pad Harold Melton Well 13
nAPP2422623967



Photograph 25
Description: Excavation
View: Northwest

Date: 1/15/2025



Photograph 26
Description: Excavation
View: Northwest

Date: 1/15/2025



Photograph 27
Description: Excavation
View: East

Date: 1/15/2025



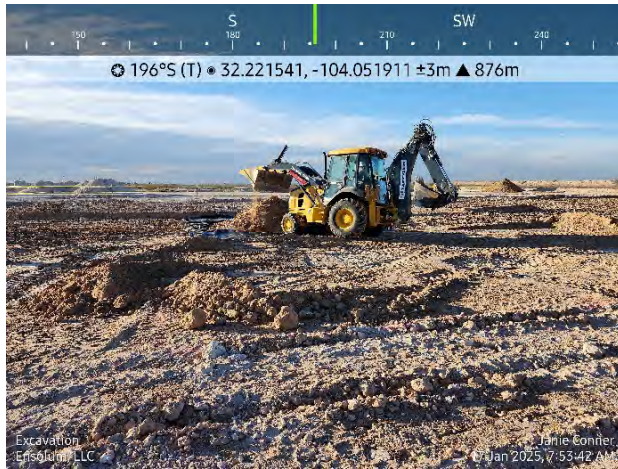
Photograph 28
Description: Excavation
View: Southeast

Date: 1/15/2025



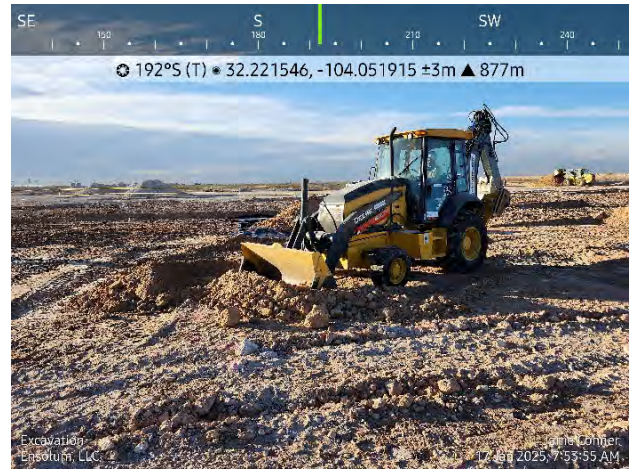
Photographic Log

Matador Production Company
Janie Connor Slot 2 Well Pad Harold Melton Well 13
nAPP2422623967



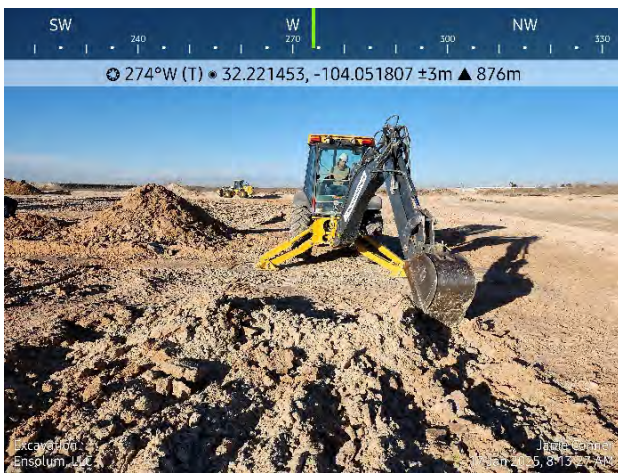
Photograph 29
Description: Excavation
View: South

Date: 1/17/2025



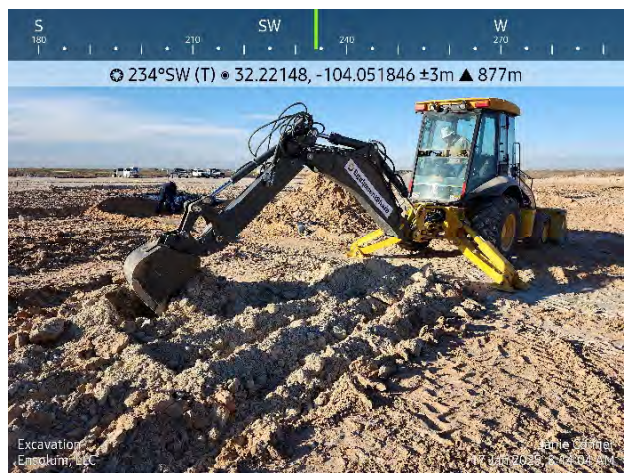
Photograph 30
Description: Excavation
View: South

Date: 1/17/2025



Photograph 31
Description: Excavation
View: West

Date: 1/17/2025



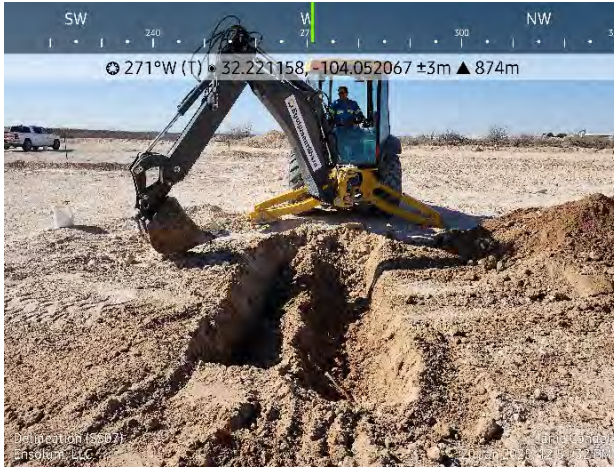
Photograph 32
Description: Excavation
View: Southwest

Date: 1/17/2025



Photographic Log

Matador Production Company
Janie Connor Slot 2 Well Pad Harold Melton Well 13
nAPP2422623967



Photograph 33
Description: Delineation (SS07)
View: West

Date: 1/20/2025



Photograph 34
Description: Delineation (SS08)
View: Southwest

Date: 1/20/2025



Photograph 35
Description: Delineation (SS10)
View: West

Date: 1/20/2025



Photograph 36
Description: Delineation (SS10)
View: West

Date: 1/20/2025



Photographic Log

Matador Production Company
Janie Connor Slot 2 Well Pad Harold Melton Well 13
nAPP2422623967



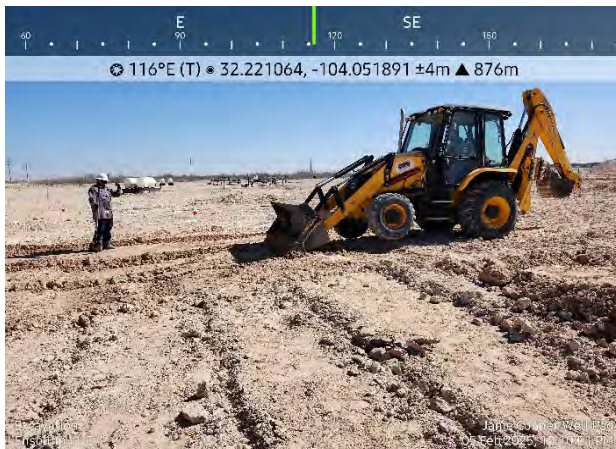
Photograph 37
Description: Resampling
View: West

Date: 2/5/2025



Photograph 38
Description: Resampling
View: Southwest

Date: 2/5/2025



Photograph 39
Description: Resampling
View: East

Date: 2/5/2025



Photograph 40
Description: Resampling
View: South

Date: 2/5/2025



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 Connor Slot 2 Well Pad

Work Order: E409032

Job Number: 23003-0002

Received: 9/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/24

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: 9/11/24

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



Project Name: Janie Connor Slot 2 Well Pad
Workorder: E409032
Date Received: 9/6/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/6/2024 8:00:00AM, under the Project Name: Janie Connor Slot 2 Well Pad.

The analytical test results summarized in this report with the Project Name: Janie Connor Slot 2 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
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 09/11/24 15:31
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02 - 0'	E409032-01A	Soil	09/04/24	09/06/24	Glass Jar, 2 oz.
SS03 - 0'	E409032-02A	Soil	09/04/24	09/06/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/11/2024 3:31:37PM
---	--	----------------------------------

SS02 - 0'

E409032-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2436071	
Benzene	ND	0.0250	1	09/06/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	
Toluene	ND	0.0250	1	09/06/24	09/10/24	
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		09/06/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2436071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.7 %	70-130		09/06/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2436073	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/07/24	
Surrogate: n-Nonane	74.2 %	50-200		09/06/24	09/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2436063	
Chloride	ND	200	10	09/06/24	09/06/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/11/2024 3:31:37PM
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SS03 - 0'

E409032-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436071	
Benzene	ND	0.0250	1	09/06/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	
Toluene	ND	0.0250	1	09/06/24	09/10/24	
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		09/06/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		09/06/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2436073	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/07/24	
<i>Surrogate: n-Nonane</i>						
	81.3 %	50-200		09/06/24	09/07/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2436063	
Chloride	285	20.0	1	09/06/24	09/07/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/11/2024 3:31:37PM

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 (2436071-BLK1) Prepared: 09/06/24 Analyzed: 09/10/24

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	7.79		8.00		97.3	70-130			

LCS (2436071-BS1) Prepared: 09/06/24 Analyzed: 09/10/24

Benzene	4.30	0.0250	5.00		86.0	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.57	0.0250	5.00		91.4	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.44	0.0500	10.0		94.4	70-130			
Total Xylenes	14.1	0.0250	15.0		94.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			

Matrix Spike (2436071-MS1) Source: E409033-05 Prepared: 09/06/24 Analyzed: 09/10/24

Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133			
Toluene	4.93	0.0250	5.00	ND	98.5	61-130			
o-Xylene	4.98	0.0250	5.00	ND	99.5	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			

Matrix Spike Dup (2436071-MSD1) Source: E409033-05 Prepared: 09/06/24 Analyzed: 09/10/24

Benzene	4.70	0.0250	5.00	ND	94.0	54-133	1.05	20	
Ethylbenzene	5.04	0.0250	5.00	ND	101	61-133	1.54	20	
Toluene	4.98	0.0250	5.00	ND	99.6	61-130	1.08	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	1.55	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	1.27	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	1.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/11/2024 3:31:37PM

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 (2436071-BLK1) Prepared: 09/06/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

LCS (2436071-BS2) Prepared: 09/06/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike (2436071-MS2) Source: E409033-05 Prepared: 09/06/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

Matrix Spike Dup (2436071-MSD2) Source: E409033-05 Prepared: 09/06/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.1	70-130	3.79	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/11/2024 3:31:37PM

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 (2436073-BLK1) Prepared: 09/06/24 Analyzed: 09/07/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.1		50.0		82.2	50-200			

LCS (2436073-BS1) Prepared: 09/06/24 Analyzed: 09/07/24

Diesel Range Organics (C10-C28)	212	25.0	250		84.6	38-132			
Surrogate: n-Nonane	43.7		50.0		87.3	50-200			

Matrix Spike (2436073-MS1) Source: E409032-01 Prepared: 09/06/24 Analyzed: 09/07/24

Diesel Range Organics (C10-C28)	192	25.0	250	ND	76.7	38-132			
Surrogate: n-Nonane	41.2		50.0		82.4	50-200			

Matrix Spike Dup (2436073-MSD1) Source: E409032-01 Prepared: 09/06/24 Analyzed: 09/07/24

Diesel Range Organics (C10-C28)	201	25.0	250	ND	80.5	38-132	4.86	20	
Surrogate: n-Nonane	41.2		50.0		82.4	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/11/2024 3:31:37PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2436063-BLK1)					Prepared: 09/06/24 Analyzed: 09/06/24				
Chloride	ND	20.0							
LCS (2436063-BS1)					Prepared: 09/06/24 Analyzed: 09/06/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2436063-MS1)					Source: E409035-05		Prepared: 09/06/24 Analyzed: 09/06/24		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2436063-MSD1)					Source: E409035-05		Prepared: 09/06/24 Analyzed: 09/06/24		
Chloride	253	20.0	250	ND	101	80-120	0.0451	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 Connor Slot 2 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/11/24 15:31

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



Envirotech Analytical Laboratory

Printed: 9/6/2024 10:12:21AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	09/06/24 08:00	Work Order ID:	E409032
Phone:	(972) 371-5200	Date Logged In:	09/05/24 17:07	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	09/12/24 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/Resolution

Sampled by name is missing on COC by client.

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? 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 Connor Slot 2 Well Pad

Work Order: E410120

Job Number: 23003-0002

Received: 10/14/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/17/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/17/24

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



Project Name: Janie Connor Slot 2 Well Pad
Workorder: E410120
Date Received: 10/14/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2024 8:00:00AM, under the Project Name: Janie Connor Slot 2 Well Pad.

The analytical test results summarized in this report with the Project Name: Janie Connor Slot 2 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,

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QC - Anions by EPA 300.0/9056A	11
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/24 10:39
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06-6'	E410120-01A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS11-8'	E410120-02A	Soil	10/10/24	10/14/24	Glass Jar, 2 oz.
SS13-8'	E410120-03A	Soil	10/10/24	10/14/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 10:39:03AM
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SS06-6'

E410120-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442003
Benzene	ND	0.0250	1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/15/24	
Toluene	ND	0.0250	1	10/14/24	10/15/24	
o-Xylene	ND	0.0250	1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/15/24	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	10/14/24	10/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	10/14/24	10/15/24	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/15/24	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	10/14/24	10/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	10/14/24	10/15/24	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	10/14/24	10/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2442019
Chloride	424	200	10	10/14/24	10/14/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 10:39:03AM
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SS11-8'

E410120-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2442003	
Benzene	ND	0.0250	1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/15/24	
Toluene	ND	0.0250	1	10/14/24	10/15/24	
o-Xylene	ND	0.0250	1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8	104 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2442003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8	104 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2442028	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
Surrogate: n-Nonane	105 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2442019	
Chloride	448	200	10	10/14/24	10/14/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 10:39:03AM
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SS13-8'

E410120-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442003
Benzene	ND	0.0250	1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/15/24	
Toluene	ND	0.0250	1	10/14/24	10/15/24	
o-Xylene	ND	0.0250	1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8	100 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8	100 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2442028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
Surrogate: n-Nonane	89.9 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2442019
Chloride	300	200	10	10/14/24	10/14/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/2024 10:39:03AM

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 (2442003-BLK1) Prepared: 10/14/24 Analyzed: 10/15/24

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	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

LCS (2442003-BS1) Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	2.26	0.0250	2.50		90.3	70-130			
Ethylbenzene	2.46	0.0250	2.50		98.2	70-130			
Toluene	2.34	0.0250	2.50		93.6	70-130			
o-Xylene	2.45	0.0250	2.50		98.0	70-130			
p,m-Xylene	4.91	0.0500	5.00		98.3	70-130			
Total Xylenes	7.36	0.0250	7.50		98.2	70-130			
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike (2442003-MS1) Source: E410117-02 Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	2.33	0.0250	2.50	ND	93.3	48-131			
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135			
Toluene	2.41	0.0250	2.50	ND	96.2	48-130			
o-Xylene	2.53	0.0250	2.50	ND	101	43-135			
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135			
Total Xylenes	7.58	0.0250	7.50	ND	101	43-135			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

Matrix Spike Dup (2442003-MSD1) Source: E410117-02 Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	2.33	0.0250	2.50	ND	93.3	48-131	0.0214	23	
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	1.84	27	
Toluene	2.43	0.0250	2.50	ND	97.1	48-130	0.890	24	
o-Xylene	2.51	0.0250	2.50	ND	100	43-135	0.655	27	
p,m-Xylene	5.08	0.0500	5.00	ND	102	43-135	0.503	27	
Total Xylenes	7.59	0.0250	7.50	ND	101	43-135	0.119	27	
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/2024 10:39:03AM

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 (2442003-BLK1) Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

LCS (2442003-BS2) Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	53.8	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

Matrix Spike (2442003-MS2) Source: E410117-02 Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike Dup (2442003-MSD2) Source: E410117-02 Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130	2.30	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/2024 10:39:03AM

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 (2442028-BLK1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.5		50.0		91.1	50-200			

LCS (2442028-BS1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Diesel Range Organics (C10-C28)	249	25.0	250		99.6	38-132			
Surrogate: n-Nonane	48.9		50.0		97.7	50-200			

Matrix Spike (2442028-MS1)					Source: E410120-01		Prepared: 10/14/24 Analyzed: 10/14/24		
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Matrix Spike Dup (2442028-MSD1)					Source: E410120-01		Prepared: 10/14/24 Analyzed: 10/14/24		
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132	8.00	20	
Surrogate: n-Nonane	57.4		50.0		115	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/2024 10:39:03AM

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 (2442019-BLK1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Chloride	ND	20.0							
LCS (2442019-BS1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2442019-MS1)					Source: E410118-03		Prepared: 10/14/24 Analyzed: 10/14/24		
Chloride	586	200	250	347	95.9	80-120			
Matrix Spike Dup (2442019-MSD1)					Source: E410118-03		Prepared: 10/14/24 Analyzed: 10/14/24		
Chloride	595	200	250	347	99.5	80-120	1.53	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 Connor Slot 2 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/24 10:39

- 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 Conner Slot 2 Well Pad				Address: 3122 National Parks Hwy		E410120	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
12:42	10/9/2024	S	1	SS06 - 6'		1						X					
9:31	10/10/2024	S	1	SS11 - 8'		2						X					
10:14	10/10/2024	S	1	SS13 - 8'		3						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@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: Cole Burton																	
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="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
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: 10/14/2024 10:21:05AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/14/24 08:00	Work Order ID:	E410120
Phone:	(972) 371-5200	Date Logged In:	10/11/24 14:48	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	10/18/24 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? 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 Connor Slot 2 Well Pad

Work Order: E410123

Job Number: 23003-0002

Received: 10/14/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/17/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/17/24

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



Project Name: Janie Connor Slot 2 Well Pad
Workorder: E410123
Date Received: 10/14/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2024 8:00:00AM, under the Project Name: Janie Connor Slot 2 Well Pad.

The analytical test results summarized in this report with the Project Name: Janie Connor Slot 2 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
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/24 14:59
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E410123-01A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS01 - 1'	E410123-02A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS04 - 0'	E410123-03A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS04 - 1'	E410123-04A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS05 - 0'	E410123-05A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS05 - 1'	E410123-06A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS06 - 0'	E410123-07A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS06 - 1'	E410123-08A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS07 - 0'	E410123-09A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS07 - 1'	E410123-10A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS08 - 0'	E410123-11A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS08 - 1'	E410123-12A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS09 - 0'	E410123-13A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS09 - 1'	E410123-14A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS10 - 0'	E410123-15A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS10 - 1'	E410123-16A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS11 - 0'	E410123-17A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS11 - 1'	E410123-18A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS12 - 0'	E410123-19A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS12 - 1'	E410123-20A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS13 - 0'	E410123-21A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.
SS13 - 1'	E410123-22A	Soil	10/09/24	10/14/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS01 - 0'

E410123-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.2 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	170	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
Surrogate: n-Nonane	103 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	1570	40.0	2	10/14/24	10/14/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS01 - 1'

E410123-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	10/14/24	10/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	1060	100	5	10/14/24	10/14/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS04 - 0'

E410123-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
<i>Surrogate: n-Nonane</i>						
	97.9 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	2860	20.0	1	10/14/24	10/14/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS04 - 1'

E410123-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.2 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
Surrogate: n-Nonane	98.5 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	2390	200	10	10/14/24	10/14/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS05 - 0'

E410123-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	70-130	10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
<i>Surrogate: n-Nonane</i>						
		91.9 %	50-200	10/14/24	10/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	1860	40.0	2	10/14/24	10/14/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS05 - 1'

E410123-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
<i>Surrogate: n-Nonane</i>						
		95.6 %	50-200	10/14/24	10/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	1260	200	10	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS06 - 0'

E410123-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/15/24	
Toluene	0.0612	0.0250	1	10/14/24	10/15/24	
o-Xylene	0.0342	0.0250	1	10/14/24	10/15/24	
p,m-Xylene	0.0930	0.0500	1	10/14/24	10/15/24	
Total Xylenes	0.127	0.0250	1	10/14/24	10/15/24	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	30100	500	20	10/14/24	10/16/24	
Oil Range Organics (C28-C36)	23000	1000	20	10/14/24	10/16/24	
Surrogate: n-Nonane		97.7 %	50-200	10/14/24	10/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	20200	400	20	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS06 - 1'

E410123-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/16/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/14/24	10/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	2180	200	10	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS07 - 0'

E410123-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	107 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	1710	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	1070	50.0	1	10/14/24	10/14/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	3450	100	5	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS07 - 1'

E410123-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	107 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	3540	200	10	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS08 - 0'

E410123-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.3 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	141	25.0	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	188	50.0	1	10/14/24	10/15/24	
Surrogate: n-Nonane	99.6 %	50-200		10/14/24	10/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	1350	40.0	2	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS08 - 1'

E410123-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/15/24	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		10/14/24	10/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	3090	200	10	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS09 - 0'

E410123-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	165	25.0	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	127	50.0	1	10/14/24	10/15/24	
<i>Surrogate: n-Nonane</i>						
	92.9 %	50-200		10/14/24	10/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	5150	100	5	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS09 - 1'

E410123-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/15/24	
<i>Surrogate: n-Nonane</i>						
	99.9 %	50-200		10/14/24	10/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	1760	200	10	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS10 - 0'

E410123-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.6 %	70-130	10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	2760	25.0	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	1840	50.0	1	10/14/24	10/15/24	
<i>Surrogate: n-Nonane</i>						
		99.7 %	50-200	10/14/24	10/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	37700	1000	50	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS10 - 1'

E410123-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	59.5	25.0	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/15/24	
<i>Surrogate: n-Nonane</i>						
	97.5 %	50-200		10/14/24	10/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	2200	200	10	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS11 - 0'

E410123-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	14600	500	20	10/14/24	10/16/24	
Oil Range Organics (C28-C36)	42100	1000	20	10/14/24	10/16/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		10/14/24	10/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	37600	1000	50	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS11 - 1'

E410123-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/16/24	
Oil Range Organics (C28-C36)	54.8	50.0	1	10/14/24	10/16/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		10/14/24	10/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	4910	200	10	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS12 - 0'

E410123-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.1 %	70-130	10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	50.7	25.0	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	179	50.0	1	10/14/24	10/15/24	
<i>Surrogate: n-Nonane</i>						
		96.8 %	50-200	10/14/24	10/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	506	20.0	1	10/14/24	10/15/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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SS12 - 1'

E410123-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Benzene	ND	0.0250	1	10/14/24	10/16/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/16/24	
Toluene	ND	0.0250	1	10/14/24	10/16/24	
o-Xylene	ND	0.0250	1	10/14/24	10/16/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/16/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2442007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		10/14/24	10/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2442022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	108	50.0	1	10/14/24	10/15/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/14/24	10/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2442031	
Chloride	2550	200	10	10/14/24	10/15/24	



Sample Data

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

Project Name: Janie Connor Slot 2 Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/17/2024 2:59:06PM

SS13 - 0'

E410123-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442006
Benzene	ND	0.0250	1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/15/24	
Toluene	ND	0.0250	1	10/14/24	10/15/24	
o-Xylene	ND	0.0250	1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8	103 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442006
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8	103 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442028
Diesel Range Organics (C10-C28)	1730	25.0	1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/14/24	
Surrogate: n-Nonane	93.6 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2442005
Chloride	670	20.0	1	10/14/24	10/14/24	



Sample Data

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

Project Name: Janie Connor Slot 2 Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/17/2024 2:59:06PM

SS13 - 1'

E410123-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442006
Benzene	ND	0.0250	1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/15/24	
Toluene	ND	0.0250	1	10/14/24	10/15/24	
o-Xylene	ND	0.0250	1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8	104 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2442006
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8	104 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2442028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/15/24	
Surrogate: n-Nonane	105 %	50-200		10/14/24	10/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2442005
Chloride	4640	200	10	10/14/24	10/14/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/2024 2:59:06PM

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 (2442006-BLK1) Prepared: 10/14/24 Analyzed: 10/15/24

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	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.529		0.500		106	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2442006-BS1) Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	2.35	0.0250	2.50		94.1	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.42	0.0250	2.50		96.9	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	5.07	0.0500	5.00		101	70-130			
Total Xylenes	7.60	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

Matrix Spike (2442006-MS1) Source: E410119-04 Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	2.41	0.0250	2.50	ND	96.5	48-131			
Ethylbenzene	2.56	0.0250	2.50	ND	102	45-135			
Toluene	2.48	0.0250	2.50	ND	99.2	48-130			
o-Xylene	2.51	0.0250	2.50	ND	100	43-135			
p,m-Xylene	5.02	0.0500	5.00	ND	100	43-135			
Total Xylenes	7.52	0.0250	7.50	ND	100	43-135			
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike Dup (2442006-MSD1) Source: E410119-04 Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	2.42	0.0250	2.50	ND	96.7	48-131	0.248	23	
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135	1.04	27	
Toluene	2.46	0.0250	2.50	ND	98.6	48-130	0.607	24	
o-Xylene	2.53	0.0250	2.50	ND	101	43-135	1.05	27	
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135	1.71	27	
Total Xylenes	7.64	0.0250	7.50	ND	102	43-135	1.49	27	
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/2024 2:59:06PM

Volatile Organics by EPA 8021B

Analyst: CG

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 (2442007-BLK1) Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		102	70-130			

LCS (2442007-BS1) Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.8	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.96	0.0250	5.00		99.3	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	8.19		8.00		102	70-130			

Matrix Spike (2442007-MS1) Source: E410123-07 Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	5.53	0.0250	5.00	ND	111	54-133			
Ethylbenzene	5.39	0.0250	5.00	ND	108	61-133			
Toluene	5.53	0.0250	5.00	0.0612	109	61-130			
o-Xylene	5.46	0.0250	5.00	0.0342	109	63-131			
p,m-Xylene	11.0	0.0500	10.0	0.0930	109	63-131			
Total Xylenes	16.5	0.0250	15.0	0.127	109	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.61		8.00		108	70-130			

Matrix Spike Dup (2442007-MSD1) Source: E410123-07 Prepared: 10/14/24 Analyzed: 10/15/24

Benzene	5.43	0.0250	5.00	ND	109	54-133	1.91	20	
Ethylbenzene	5.30	0.0250	5.00	ND	106	61-133	1.75	20	
Toluene	5.42	0.0250	5.00	0.0612	107	61-130	1.90	20	
o-Xylene	5.37	0.0250	5.00	0.0342	107	63-131	1.69	20	
p,m-Xylene	10.8	0.0500	10.0	0.0930	108	63-131	1.77	20	
Total Xylenes	16.2	0.0250	15.0	0.127	107	63-131	1.74	20	
Surrogate: 4-Bromochlorobenzene-PID	8.62		8.00		108	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported: 10/17/2024 2:59:06PM
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

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 (2442006-BLK1) Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.529		0.500		106	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2442006-BS2) Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

Matrix Spike (2442006-MS2) Source: E410119-04 Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

Matrix Spike Dup (2442006-MSD2) Source: E410119-04 Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130	1.75	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/2024 2:59:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

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 (2442007-BLK1) Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

LCS (2442007-BS2) Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

Matrix Spike (2442007-MS2) Source: E410123-07 Prepared: 10/14/24 Analyzed: 10/15/24

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike Dup (2442007-MSD2) Source: E410123-07 Prepared: 10/14/24 Analyzed: 10/16/24

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.6	70-130	0.386	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/2024 2:59:06PM

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 (2442022-BLK1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.1		50.0		100	50-200			

LCS (2442022-BS1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			

Matrix Spike (2442022-MS1)					Source: E410123-02		Prepared: 10/14/24 Analyzed: 10/14/24		
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			

Matrix Spike Dup (2442022-MSD1)					Source: E410123-02		Prepared: 10/14/24 Analyzed: 10/14/24		
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132	4.20	20	
Surrogate: n-Nonane	50.3		50.0		101	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/2024 2:59:06PM

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 (2442028-BLK1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.5		50.0		91.1	50-200			

LCS (2442028-BS1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Diesel Range Organics (C10-C28)	249	25.0	250		99.6	38-132			
Surrogate: n-Nonane	48.9		50.0		97.7	50-200			

Matrix Spike (2442028-MS1)					Source: E410120-01		Prepared: 10/14/24 Analyzed: 10/14/24		
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Matrix Spike Dup (2442028-MSD1)					Source: E410120-01		Prepared: 10/14/24 Analyzed: 10/14/24		
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132	8.00	20	
Surrogate: n-Nonane	57.4		50.0		115	50-200			



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/2024 2:59:06PM

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 (2442005-BLK1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Chloride	ND	20.0							
LCS (2442005-BS1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2442005-MS1)					Source: E410115-05		Prepared: 10/14/24 Analyzed: 10/14/24		
Chloride	679	200	250	422	103	80-120			
Matrix Spike Dup (2442005-MSD1)					Source: E410115-05		Prepared: 10/14/24 Analyzed: 10/14/24		
Chloride	682	200	250	422	104	80-120	0.376	20	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Connor Slot 2 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/17/2024 2:59:06PM
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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 (2442031-BLK1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Chloride	ND	20.0							
LCS (2442031-BS1)					Prepared: 10/14/24 Analyzed: 10/14/24				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2442031-MS1)					Source: E410123-03		Prepared: 10/14/24 Analyzed: 10/14/24		
Chloride	3030	20.0	250	2860	68.5	80-120			M4
Matrix Spike Dup (2442031-MSD1)					Source: E410123-03		Prepared: 10/14/24 Analyzed: 10/14/24		
Chloride	2910	20.0	250	2860	22.3	80-120	3.89	20	M4

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Connor Slot 2 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/17/24 14:59

- 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

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 Slot 2 Well Pad				Address: 3122 National Parks Hwy		E410123	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
12:10	10/9/2024	S	1	SS01 - 0'		1						X					
12:12	10/9/2024	S	1	SS01 - 1'		2						X					
10:05	10/9/2024	S	1	SS04 - 0'		3						X					
10:08	10/9/2024	S	1	SS04 - 1'		4						X					
10:32	10/9/2024	S	1	SS05 - 0'		5						X					
10:33	10/9/2024	S	1	SS05 - 1'		6						X					
10:34	10/9/2024	S	1	SS06 - 0'		7						X					
10:35	10/9/2024	S	1	SS06 - 1'		8						X					
10:41	10/9/2024	S	1	SS07 - 0'		9						X					
10:42	10/9/2024	S	1	SS07 - 1'		10						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@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: Cole Burton																	
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="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
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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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 Conner Slot 2 Well Pad				Address: 3122 National Parks Hwy		E410123	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
10:13	10/9/2024	S	1	SS08 - 0'		11						X					
10:14	10/9/2024	S	1	SS08 - 1'		12						X					
10:58	10/9/2024	S	1	SS09 - 0'		13						X					
10:59	10/9/2024	S	1	SS09 - 1'		14						X					
10:53	10/9/2024	S	1	SS10 - 0'		15						X					
10:54	10/9/2024	S	1	SS10 - 1'		16						X					
10:46	10/9/2024	S	1	SS11 - 0'		17						X					
10:48	10/9/2024	S	1	SS11 - 1'		18						X					
11:05	10/9/2024	S	1	SS12 - 0'		19						X					
11:07	10/9/2024	S	1	SS12 - 1'		20						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@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: Cole Burton																	
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="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
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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[illegible]

Envirotech Analytical Laboratory

Printed: 10/14/2024 10:30:51AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	10/14/24 08:00	Work Order ID:	E410123
Phone:	(972) 371-5200	Date Logged In:	10/11/24 14:55	Logged In By:	Raina Schwanz
Email:	agiovngo@ensolum.com	Due Date:	10/18/24 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? 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 Well Pad

Work Order: E501151

Job Number: 23003-0002

Received: 1/22/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/28/25

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



Project Name: Janie Conner Well Pad
Workorder: E501151
Date Received: 1/22/2025 7:15:45AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/22/2025 7:15:45AM, 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,

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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: 01/28/25 16:48
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07 - 2'	E501151-01A	Soil	01/17/25	01/22/25	Glass Jar, 2 oz.
SS07 - 4'	E501151-02A	Soil	01/17/25	01/22/25	Glass Jar, 2 oz.
SS07 - 6'	E501151-03A	Soil	01/17/25	01/22/25	Glass Jar, 2 oz.
SS08 - 2'	E501151-04A	Soil	01/17/25	01/22/25	Glass Jar, 2 oz.
SS08 - 4'	E501151-05A	Soil	01/17/25	01/22/25	Glass Jar, 2 oz.
SS08 - 6'	E501151-06A	Soil	01/17/25	01/22/25	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:
1/28/2025 4:48:39PM

SS07 - 2'

E501151-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2504076	
Benzene	ND	0.0250	1	01/22/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/25/25	
Toluene	ND	0.0250	1	01/22/25	01/25/25	
o-Xylene	ND	0.0250	1	01/22/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.1 %	70-130	01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2504076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2504081	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>		118 %	50-200	01/22/25	01/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2504084	
Chloride	2400	200	10	01/22/25	01/28/25	



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:
1/28/2025 4:48:39PM

SS07 - 4'

E501151-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504076	
Benzene	ND	0.0250	1	01/22/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/25/25	
Toluene	ND	0.0250	1	01/22/25	01/25/25	
o-Xylene	ND	0.0250	1	01/22/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.6 %	70-130		01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504081	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2504084	
Chloride	2080	200	10	01/22/25	01/28/25	



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:
1/28/2025 4:48:39PM

SS07 - 6'

E501151-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504076
Benzene	ND	0.0250	1	01/22/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/25/25	
Toluene	ND	0.0250	1	01/22/25	01/25/25	
o-Xylene	ND	0.0250	1	01/22/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.7 %	70-130		01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504081
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504084
Chloride	2250	200	10	01/22/25	01/28/25	



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:
1/28/2025 4:48:39PM

SS08 - 2'

E501151-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504076
Benzene	ND	0.0250	1	01/22/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/25/25	
Toluene	ND	0.0250	1	01/22/25	01/25/25	
o-Xylene	ND	0.0250	1	01/22/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504076
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504081
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504084
Chloride	3870	100	5	01/22/25	01/28/25	



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:
1/28/2025 4:48:39PM

SS08 - 4'

E501151-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504076	
Benzene	ND	0.0250	1	01/22/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/25/25	
Toluene	ND	0.0250	1	01/22/25	01/25/25	
o-Xylene	ND	0.0250	1	01/22/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.1 %	70-130		01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504081	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2504084	
Chloride	3810	200	10	01/22/25	01/28/25	



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:
1/28/2025 4:48:39PM

SS08 - 6'

E501151-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504076	
Benzene	ND	0.0250	1	01/22/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/25/25	
Toluene	ND	0.0250	1	01/22/25	01/25/25	
o-Xylene	ND	0.0250	1	01/22/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	70-130		01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		01/22/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504081	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2504084	
Chloride	3310	200	10	01/22/25	01/28/25	



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	1/28/2025 4:48:39PM

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 (2504076-BLK1) Prepared: 01/22/25 Analyzed: 01/25/25

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	6.66		8.00		83.2	70-130			

LCS (2504076-BS1) Prepared: 01/22/25 Analyzed: 01/25/25

Benzene	4.82	0.0250	5.00		96.4	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.74	0.0250	5.00		94.8	70-130			
o-Xylene	4.59	0.0250	5.00		91.9	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	13.9	0.0250	15.0		93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.81		8.00		85.1	70-130			

LCS Dup (2504076-BSD1) Prepared: 01/22/25 Analyzed: 01/25/25

Benzene	4.17	0.0250	5.00		83.4	70-130	14.5	20	
Ethylbenzene	3.97	0.0250	5.00		79.3	70-130	15.0	20	
Toluene	4.08	0.0250	5.00		81.7	70-130	14.9	20	
o-Xylene	3.94	0.0250	5.00		78.8	70-130	15.3	20	
p,m-Xylene	8.06	0.0500	10.0		80.6	70-130	14.8	20	
Total Xylenes	12.0	0.0250	15.0		80.0	70-130	15.0	20	
Surrogate: 4-Bromochlorobenzene-PID	6.66		8.00		83.2	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	1/28/2025 4:48:39PM

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 (2504076-BLK1) Prepared: 01/22/25 Analyzed: 01/25/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

LCS (2504076-BS2) Prepared: 01/22/25 Analyzed: 01/25/25

Gasoline Range Organics (C6-C10)	40.8	20.0	50.0		81.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			

LCS Dup (2504076-BSD2) Prepared: 01/22/25 Analyzed: 01/25/25

Gasoline Range Organics (C6-C10)	42.1	20.0	50.0		84.1	70-130	2.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	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	1/28/2025 4:48:39PM

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 (2504081-BLK1)					Prepared: 01/22/25 Analyzed: 01/22/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.0		50.0		116	50-200			

LCS (2504081-BS1)					Prepared: 01/22/25 Analyzed: 01/22/25				
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	56.1		50.0		112	50-200			

Matrix Spike (2504081-MS1)					Source: E501149-01		Prepared: 01/22/25 Analyzed: 01/22/25		
Diesel Range Organics (C10-C28)	1340	25.0	250	1230	42.0	38-132			
Surrogate: n-Nonane	58.4		50.0		117	50-200			

Matrix Spike Dup (2504081-MSD1)					Source: E501149-01		Prepared: 01/22/25 Analyzed: 01/22/25		
Diesel Range Organics (C10-C28)	1310	25.0	250	1230	31.3	38-132	2.04	20	M4
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: 1/28/2025 4:48:39PM
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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 (2504084-BLK1)						Prepared: 01/22/25 Analyzed: 01/24/25			
Chloride	ND	20.0							
LCS (2504084-BS1)						Prepared: 01/22/25 Analyzed: 01/25/25			
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2504084-MS1)				Source: E501150-02		Prepared: 01/22/25 Analyzed: 01/25/25			
Chloride	1360	20.0	250	1110	99.4	80-120			
Matrix Spike Dup (2504084-MSD1)				Source: E501150-02		Prepared: 01/22/25 Analyzed: 01/25/25			
Chloride	1360	20.0	250	1110	99.1	80-120	0.0558	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 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/28/25 16:48

- 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 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 Conner Well Pad				Address: 3122 National Parks Hwy		E501151	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	
															Compliance	Y	or	N
															PWSID #			
																		Remarks
1325	1/17/25	S	1	SS07-2'		1						X						
1334	1/17/25	S	1	SS07-4'		2						X						
1341	1/17/25	S	1	SS07-6'		3						X						
				SS07-8'														
1221	1/17/25	S	1	SS08-2'		4						X						
1227	1/17/25	S	1	SS08-4'		5						X						
1236	1/17/25	S	1	SS08-6'		6						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@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: Chad Hamilton, Alameda Advertiser																		
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 4										
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: 1/22/2025 8:42:44AM

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:	01/22/25 07:15	Work Order ID:	E501151
Phone:	(972) 371-5200	Date Logged In:	01/21/25 16:46	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	01/28/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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? 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 Well Pad

Work Order: E501152

Job Number: 23003-0002

Received: 1/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/28/25

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



Project Name: Janie Conner Well Pad
Workorder: E501152
Date Received: 1/22/2025 7:15:45AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/22/2025 7:15:45AM, 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
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 01/28/25 12:21
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07 - 8'	E501152-01A	Soil	01/20/25	01/22/25	Glass Jar, 2 oz.
SS07 - 10'	E501152-02A	Soil	01/20/25	01/22/25	Glass Jar, 2 oz.
SS08 - 8'	E501152-03A	Soil	01/20/25	01/22/25	Glass Jar, 2 oz.
SS08 - 9'	E501152-04A	Soil	01/20/25	01/22/25	Glass Jar, 2 oz.
SS08 - 10'	E501152-05A	Soil	01/20/25	01/22/25	Glass Jar, 2 oz.
SS10 - 2'	E501152-06A	Soil	01/20/25	01/22/25	Glass Jar, 2 oz.
SS10 - 4'	E501152-07A	Soil	01/20/25	01/22/25	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:
1/28/2025 12:21:02PM

SS07 - 8'

E501152-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Benzene	ND	0.0250	1	01/22/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/22/25	
Toluene	ND	0.0250	1	01/22/25	01/22/25	
o-Xylene	ND	0.0250	1	01/22/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.5 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.6 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2504085	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>	123 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2504123	
Chloride	1450	200	10	01/24/25	01/24/25	



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:
1/28/2025 12:21:02PM

SS07 - 10'

E501152-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Benzene	ND	0.0250	1	01/22/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/22/25	
Toluene	ND	0.0250	1	01/22/25	01/22/25	
o-Xylene	ND	0.0250	1	01/22/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2504085	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>						
	128 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504123	
Chloride	302	100	5	01/24/25	01/24/25	



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:
1/28/2025 12:21:02PM

SS08 - 8'

E501152-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Benzene	ND	0.0250	1	01/22/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/22/25	
Toluene	ND	0.0250	1	01/22/25	01/22/25	
o-Xylene	ND	0.0250	1	01/22/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2504085	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>						
	128 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504123	
Chloride	1520	200	10	01/24/25	01/24/25	



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:
1/28/2025 12:21:02PM

SS08 - 9'

E501152-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Benzene	ND	0.0250	1	01/22/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/22/25	
Toluene	ND	0.0250	1	01/22/25	01/22/25	
o-Xylene	ND	0.0250	1	01/22/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2504085	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>						
	129 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504123	
Chloride	458	200	10	01/24/25	01/24/25	



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:
1/28/2025 12:21:02PM

SS08 - 10'

E501152-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Benzene	ND	0.0250	1	01/22/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/22/25	
Toluene	ND	0.0250	1	01/22/25	01/22/25	
o-Xylene	ND	0.0250	1	01/22/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2504085	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/27/25	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		01/22/25	01/27/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504123	
Chloride	249	40.0	2	01/24/25	01/24/25	



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:
1/28/2025 12:21:02PM

SS10 - 2'

E501152-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Benzene	ND	0.0250	1	01/22/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/22/25	
Toluene	ND	0.0250	1	01/22/25	01/22/25	
o-Xylene	ND	0.0250	1	01/22/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.0 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2504085	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504123	
Chloride	1020	200	10	01/24/25	01/24/25	



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:
1/28/2025 12:21:02PM

SS10 - 4'

E501152-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Benzene	ND	0.0250	1	01/22/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/22/25	01/22/25	
Toluene	ND	0.0250	1	01/22/25	01/22/25	
o-Xylene	ND	0.0250	1	01/22/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/22/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/22/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.4 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504073	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/22/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		01/22/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2504085	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/22/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/22/25	01/23/25	
<i>Surrogate: n-Nonane</i>						
	127 %	50-200		01/22/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504123	
Chloride	517	200	10	01/24/25	01/24/25	



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	1/28/2025 12:21:02PM

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 (2504073-BLK1) Prepared: 01/21/25 Analyzed: 01/21/25

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	7.17		8.00		89.6	70-130			

LCS (2504073-BS1) Prepared: 01/21/25 Analyzed: 01/21/25

Benzene	4.60	0.0250	5.00		92.0	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.8	70-130			
Toluene	4.62	0.0250	5.00		92.4	70-130			
o-Xylene	4.53	0.0250	5.00		90.5	70-130			
p,m-Xylene	9.23	0.0500	10.0		92.3	70-130			
Total Xylenes	13.8	0.0250	15.0		91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.10		8.00		88.8	70-130			

LCS Dup (2504073-BSD1) Prepared: 01/21/25 Analyzed: 01/22/25

Benzene	4.66	0.0250	5.00		93.2	70-130	1.27	20	
Ethylbenzene	4.62	0.0250	5.00		92.3	70-130	1.69	20	
Toluene	4.71	0.0250	5.00		94.1	70-130	1.87	20	
o-Xylene	4.61	0.0250	5.00		92.3	70-130	1.93	20	
p,m-Xylene	9.39	0.0500	10.0		93.9	70-130	1.68	20	
Total Xylenes	14.0	0.0250	15.0		93.3	70-130	1.76	20	
Surrogate: 4-Bromochlorobenzene-PID	6.92		8.00		86.5	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	1/28/2025 12:21:02PM

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 (2504073-BLK1) Prepared: 01/21/25 Analyzed: 01/21/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

LCS (2504073-BS2) Prepared: 01/21/25 Analyzed: 01/22/25

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			

LCS Dup (2504073-BSD2) Prepared: 01/21/25 Analyzed: 01/22/25

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.8	70-130	6.67	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	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	1/28/2025 12:21:02PM

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 (2504085-BLK1)					Prepared: 01/22/25 Analyzed: 01/23/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.8		50.0		116	50-200			

LCS (2504085-BS1)					Prepared: 01/22/25 Analyzed: 01/23/25				
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	58.9		50.0		118	50-200			

Matrix Spike (2504085-MS1)					Source: E501152-05		Prepared: 01/22/25 Analyzed: 01/27/25		
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132			
Surrogate: n-Nonane	58.6		50.0		117	50-200			

Matrix Spike Dup (2504085-MSD1)					Source: E501152-05		Prepared: 01/22/25 Analyzed: 01/27/25		
Diesel Range Organics (C10-C28)	312	25.0	250	ND	125	38-132	6.35	20	
Surrogate: n-Nonane	61.5		50.0		123	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: 1/28/2025 12:21:02PM
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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 (2504123-BLK1)					Prepared: 01/24/25 Analyzed: 01/24/25				
Chloride	ND	20.0							
LCS (2504123-BS1)					Prepared: 01/24/25 Analyzed: 01/24/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2504123-MS1)					Source: E501152-02		Prepared: 01/24/25 Analyzed: 01/24/25		
Chloride	561	100	250	302	103	80-120			
Matrix Spike Dup (2504123-MSD1)					Source: E501152-02		Prepared: 01/24/25 Analyzed: 01/24/25		
Chloride	544	100	250	302	96.6	80-120	3.08	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 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/28/25 12:21

- 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# E501152		Job Number 23003-0002		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Janie Conner Well Pad				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	
															Compliance	Y	or	N
															PWSID #			
															Remarks			
1313	1/20/25	S	1	SS07-8'		1						X						
1323	1/20/25	S	1	SS07-10'		2						X						
1139	1/20/25	S	1	SS08-8'		3						X						
1142	1/20/25	S	1	SS08-9'		4						X						
1149	1/20/25	S	1	SS08-10'		5						X						
1354	1/20/25	S	1	SS10-2'		6						X						
1402	1/20/25	S	1	SS10-4'		7						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@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: Chad Hamilton																		
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 4										
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: 1/22/2025 8:42:55AM

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:	01/22/25 07:15	Work Order ID:	E501152
Phone:	(972) 371-5200	Date Logged In:	01/21/25 16:51	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	01/28/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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 Well Pad

Work Order: E502052

Job Number: 23003-0002

Received: 2/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/11/25

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



Project Name: Janie Conner Well Pad
Workorder: E502052
Date Received: 2/7/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/7/2025 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
whinchman@envirotech-inc.com

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Sample Summary

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	02/11/25 11:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS09A-0'	E502052-01A	Soil	02/05/25	02/07/25	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: 2/11/2025 11:02:14AM
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SS09A-0'

E502052-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Benzene	ND	0.0250	1	02/07/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/07/25	
Toluene	ND	0.0250	1	02/07/25	02/07/25	
o-Xylene	ND	0.0250	1	02/07/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID	88.9 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2506102	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.4 %	70-130		02/07/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2506108	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	104 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2506103	
Chloride	3740	40.0	2	02/07/25	02/07/25	



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	2/11/2025 11:02:14AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2506102-BLK1)

Prepared: 02/06/25 Analyzed: 02/06/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.9	70-130			

LCS (2506102-BS1)

Prepared: 02/06/25 Analyzed: 02/06/25

Benzene	4.92	0.0250	5.00		98.3	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.1	70-130			
Toluene	4.87	0.0250	5.00		97.4	70-130			
o-Xylene	4.75	0.0250	5.00		94.9	70-130			
p,m-Xylene	9.65	0.0500	10.0		96.5	70-130			
Total Xylenes	14.4	0.0250	15.0		96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.96		8.00		87.1	70-130			

LCS Dup (2506102-BSD1)

Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	4.97	0.0250	5.00		99.3	70-130	1.01	20	
Ethylbenzene	4.79	0.0250	5.00		95.9	70-130	0.806	20	
Toluene	4.92	0.0250	5.00		98.3	70-130	0.931	20	
o-Xylene	4.79	0.0250	5.00		95.8	70-130	0.938	20	
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130	0.847	20	
Total Xylenes	14.5	0.0250	15.0		96.8	70-130	0.877	20	
Surrogate: 4-Bromochlorobenzene-PID	6.90		8.00		86.2	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	2/11/2025 11:02:14AM

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 (2506102-BLK1) Prepared: 02/06/25 Analyzed: 02/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			

LCS (2506102-BS2) Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	40.3	20.0	50.0		80.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

LCS Dup (2506102-BSD2) Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.8	70-130	4.01	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 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	2/11/2025 11:02:14AM

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 (2506108-BLK1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.5		50.0		113	61-141			

LCS (2506108-BS1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	276	25.0	250		110	66-144			
Surrogate: n-Nonane	55.8		50.0		112	61-141			

Matrix Spike (2506108-MS1)					Source: E502050-02		Prepared: 02/07/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.7	56-156			
Surrogate: n-Nonane	51.4		50.0		103	61-141			

Matrix Spike Dup (2506108-MSD1)					Source: E502050-02		Prepared: 02/07/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	56-156	9.57	20	
Surrogate: n-Nonane	54.3		50.0		109	61-141			



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: 2/11/2025 11:02:14AM
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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 (2506103-BLK1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Chloride	ND	20.0							
LCS (2506103-BS1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2506103-MS1)					Source: E502050-03		Prepared: 02/07/25 Analyzed: 02/07/25		
Chloride	466	20.0	250	197	107	80-120			
Matrix Spike Dup (2506103-MSD1)					Source: E502050-03		Prepared: 02/07/25 Analyzed: 02/07/25		
Chloride	455	20.0	250	197	103	80-120	2.39	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 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/11/25 11:02

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

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

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



Chain of Custody

[illegible]

Envirotech Analytical Laboratory

Printed: 2/7/2025 8:26:08AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	02/07/25 07:30	Work Order ID:	E502052
Phone:	(972) 371-5200	Date Logged In:	02/06/25 15:09	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/13/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Raina Schwanz
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Sample Summary

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

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

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.	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

Anions by EPA 300.0/9056A

Analyst: AK

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

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							
Address: 3122 National Parks Hwy		Phone: 575-988-0055		Email: agiovengo@ensolum.com									RCRA
City, State, Zip: Carlsbad NM, 88220													
Phone: 575-988-0055													
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	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: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<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#		Job Number		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Ashley Giovengo					Address: on file		E501087		23003-0052					X			
Address: 3122 National Parks Hwy					City, State, Zip:		Analysis and Method								RCRA		
City, State, Zip: Carlsbad NM, 88220					Phone: 575-988-0055		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM		GDOC TX	State	
Phone: 575-988-0055					Email: agiovengo@ensolum.com											NM CO UT AZ TX	
Email: agiovengo@ensolum.com																Remarks	
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												
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.												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									
		1/14/25	10:00			1-14-25	1000	Received on ice: <input checked="" type="checkbox"/> N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3									
		1-14-25	1530			1.14.25	1630										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C									
		1.14.25	2230			1-15-25	730	4									
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 Well Pad

Work Order: E501108

Job Number: 23003-0002

Received: 1/17/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/23/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 1/23/25

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



Project Name: Janie Conner Well Pad
Workorder: E501108
Date Received: 1/17/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/17/2025 8:15:00AM, 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
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Sample Summary

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

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

Reported:
01/23/25 11:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS08-1'	E501108-01A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS09-0'	E501108-02A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS10-1'	E501108-03A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS15-0'	E501108-04A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS16-1'	E501108-05A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS17-0'	E501108-06A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS18-0'	E501108-07A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS19-0'	E501108-08A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS20-0'	E501108-09A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS21-0'	E501108-10A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS25-0'	E501108-11A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS28-0'	E501108-12A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS55-0'	E501108-13A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS57-0'	E501108-14A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS58-0'	E501108-15A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS59-0'	E501108-16A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS60-0'	E501108-17A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS61-0'	E501108-18A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS62-0'	E501108-19A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS63-0'	E501108-20A	Soil	01/15/25	01/17/25	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:
1/23/2025 11:55:24AM

FS08-1'

E501108-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/20/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/20/25	
Toluene	ND	0.0250	1	01/17/25	01/20/25	
o-Xylene	ND	0.0250	1	01/17/25	01/20/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/20/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.8 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.7 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/17/25	
<i>Surrogate: n-Nonane</i>	122 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	5220	200	10	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS09-0'

E501108-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/20/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/20/25	
Toluene	ND	0.0250	1	01/17/25	01/20/25	
o-Xylene	ND	0.0250	1	01/17/25	01/20/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/20/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	155	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	106	50.0	1	01/17/25	01/17/25	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	2320	40.0	2	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS10-1'

E501108-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/20/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/20/25	
Toluene	ND	0.0250	1	01/17/25	01/20/25	
o-Xylene	ND	0.0250	1	01/17/25	01/20/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/20/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	28.9	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/17/25	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	4600	200	10	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS15-0'

E501108-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/20/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/20/25	
Toluene	ND	0.0250	1	01/17/25	01/20/25	
o-Xylene	ND	0.0250	1	01/17/25	01/20/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/20/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	51.4	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/17/25	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	1810	20.0	1	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS16-1'

E501108-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/20/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/20/25	
Toluene	ND	0.0250	1	01/17/25	01/20/25	
o-Xylene	ND	0.0250	1	01/17/25	01/20/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/20/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	48.7	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/17/25	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	4980	200	10	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS17-0'

E501108-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503113
Benzene	ND	0.0250	1	01/17/25	01/20/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/20/25	
Toluene	ND	0.0250	1	01/17/25	01/20/25	
o-Xylene	ND	0.0250	1	01/17/25	01/20/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/20/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503113
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503110
Diesel Range Organics (C10-C28)	197	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	79.0	50.0	1	01/17/25	01/17/25	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2503120
Chloride	3300	40.0	2	01/18/25	01/18/25	



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: 1/23/2025 11:55:24AM
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FS18-0'

E501108-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/20/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/20/25	
Toluene	ND	0.0250	1	01/17/25	01/20/25	
o-Xylene	ND	0.0250	1	01/17/25	01/20/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/20/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.6 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/17/25	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	2360	40.0	2	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS19-0'

E501108-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	162	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	78.8	50.0	1	01/17/25	01/17/25	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	1740	20.0	1	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS20-0'

E501108-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	0.0455	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	0.162	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	0.169	0.0500	1	01/17/25	01/21/25	
Total Xylenes	0.331	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	5120	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	65.6	50.0	1	01/17/25	01/17/25	
<i>Surrogate: n-Nonane</i>						
	134 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	1830	20.0	1	01/18/25	01/18/25	



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: 1/23/2025 11:55:24AM
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FS21-0'

E501108-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	0.275	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	0.0671	0.0500	1	01/17/25	01/21/25	
Total Xylenes	0.0671	0.0250	1	01/17/25	01/21/25	
Surrogate: 4-Bromochlorobenzene-PID	88.4 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	20.8	20.0	1	01/17/25	01/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.6 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	303	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	138	50.0	1	01/17/25	01/17/25	
Surrogate: n-Nonane	120 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	2690	40.0	2	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS25-0'

E501108-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.4 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	301	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	663	50.0	1	01/17/25	01/17/25	
<i>Surrogate: n-Nonane</i>						
	132 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	6670	100	5	01/18/25	01/18/25	



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: 1/23/2025 11:55:24AM
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FS28-0'

E501108-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	0.0688	0.0500	1	01/17/25	01/21/25	
Total Xylenes	0.0688	0.0250	1	01/17/25	01/21/25	
Surrogate: 4-Bromochlorobenzene-PID	88.1 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/17/25	
Oil Range Organics (C28-C36)	68.8	50.0	1	01/17/25	01/17/25	
Surrogate: n-Nonane	119 %	50-200		01/17/25	01/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	4480	40.0	2	01/18/25	01/18/25	



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: 1/23/2025 11:55:24AM
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FS55-0'

E501108-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	742	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	131	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	5120	40.0	2	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS57-0'

E501108-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	38.4	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	1200	20.0	1	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS58-0'

E501108-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503113
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	0.0265	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	0.0265	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.6 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503113
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503110
Diesel Range Organics (C10-C28)	196	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2503120
Chloride	1280	20.0	1	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS59-0'

E501108-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	487	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	429	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	1740	20.0	1	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS60-0'

E501108-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503113
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503113
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503110
Diesel Range Organics (C10-C28)	125	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2503120
Chloride	1460	20.0	1	01/18/25	01/18/25	



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:
1/23/2025 11:55:24AM

FS61-0'

E501108-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.4 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	85.9	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	1650	20.0	1	01/18/25	01/18/25	



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: 1/23/2025 11:55:24AM
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FS62-0'

E501108-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: 4-Bromochlorobenzene-PID	87.0 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	516	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	484	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	126 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	1930	20.0	1	01/18/25	01/18/25	



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: 1/23/2025 11:55:24AM
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FS63-0'

E501108-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.9 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503110	
Diesel Range Organics (C10-C28)	367	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	57.3	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	129 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2503120	
Chloride	1860	20.0	1	01/18/25	01/18/25	



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	1/23/2025 11:55:24AM

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 (2503113-BLK1)

Prepared: 01/17/25 Analyzed: 01/20/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.91		8.00		86.4	70-130			

LCS (2503113-BS1)

Prepared: 01/17/25 Analyzed: 01/20/25

Benzene	4.82	0.0250	5.00		96.4	70-130			
Ethylbenzene	4.74	0.0250	5.00		94.8	70-130			
Toluene	4.83	0.0250	5.00		96.6	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.67	0.0500	10.0		96.7	70-130			
Total Xylenes	14.4	0.0250	15.0		96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.91		8.00		86.3	70-130			

Matrix Spike (2503113-MS1)

Source: E501108-03

Prepared: 01/17/25 Analyzed: 01/20/25

Benzene	4.84	0.0250	5.00	ND	96.9	54-133			
Ethylbenzene	4.73	0.0250	5.00	ND	94.6	61-133			
Toluene	4.84	0.0250	5.00	ND	96.8	61-130			
o-Xylene	4.73	0.0250	5.00	ND	94.5	63-131			
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.03		8.00		87.8	70-130			

Matrix Spike Dup (2503113-MSD1)

Source: E501108-03

Prepared: 01/17/25 Analyzed: 01/21/25

Benzene	4.71	0.0250	5.00	ND	94.3	54-133	2.75	20	
Ethylbenzene	4.66	0.0250	5.00	ND	93.2	61-133	1.50	20	
Toluene	4.74	0.0250	5.00	ND	94.7	61-130	2.17	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	63-131	1.86	20	
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	63-131	1.25	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.2	63-131	1.45	20	
Surrogate: 4-Bromochlorobenzene-PID	6.85		8.00		85.7	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	1/23/2025 11:55:24AM

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 (2503113-BLK1) Prepared: 01/17/25 Analyzed: 01/20/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

LCS (2503113-BS2) Prepared: 01/17/25 Analyzed: 01/20/25

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

Matrix Spike (2503113-MS2) Source: E501108-03 Prepared: 01/17/25 Analyzed: 01/21/25

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

Matrix Spike Dup (2503113-MSD2) Source: E501108-03 Prepared: 01/17/25 Analyzed: 01/20/25

Gasoline Range Organics (C6-C10)	40.6	20.0	50.0	ND	81.3	70-130	4.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	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	1/23/2025 11:55:24AM

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 (2503110-BLK1)					Prepared: 01/17/25 Analyzed: 01/17/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.4		50.0		113	50-200			

LCS (2503110-BS1)					Prepared: 01/17/25 Analyzed: 01/17/25				
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
Surrogate: n-Nonane	55.1		50.0		110	50-200			

Matrix Spike (2503110-MS1)					Source: E501108-07		Prepared: 01/17/25 Analyzed: 01/17/25		
Diesel Range Organics (C10-C28)	301	25.0	250	ND	121	38-132			
Surrogate: n-Nonane	60.2		50.0		120	50-200			

Matrix Spike Dup (2503110-MSD1)					Source: E501108-07		Prepared: 01/17/25 Analyzed: 01/17/25		
Diesel Range Organics (C10-C28)	304	25.0	250	ND	122	38-132	0.874	20	
Surrogate: n-Nonane	59.8		50.0		120	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: 1/23/2025 11:55:24AM
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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 (2503120-BLK1)					Prepared: 01/18/25 Analyzed: 01/18/25				
Chloride	ND	20.0							
LCS (2503120-BS1)					Prepared: 01/18/25 Analyzed: 01/18/25				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2503120-MS1)					Source: E501108-08		Prepared: 01/18/25 Analyzed: 01/18/25		
Chloride	1980	20.0	250	1740	96.6	80-120			
Matrix Spike Dup (2503120-MSD1)					Source: E501108-08		Prepared: 01/18/25 Analyzed: 01/18/25		
Chloride	1960	20.0	250	1740	90.3	80-120	0.795	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 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/23/25 11:55

- 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 6

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WQ#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Janie Conner Well Pad				Address: 3122 National Parks Hwy		E50108		23003-002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220		Cm											
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
1330	1/15/25	S	1	FS08-1'		1						X					
0804				FS09-0'		2											
1335				FS10-1'		3											
0758				FS15-0'		4											
1337				FS16-1'		5											
0800				FS17-0'		6											
0757				FS18-0'		7											
0752				FS19-0'		8											
0754				FS20-0'		9											
0753				FS21-0'		10											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@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: Chad Hamilton, Higinio Gonzalez, Alvinde Adacinto																	
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.									
Michelle Gonzales		1/16/25	10:00	Michelle Gonzales		1/16/25	1000										
Michelle Gonzales		1/16/25	1520	Michelle Gonzales		1/16/25	1630	Lab Use Only Received on ice: (Y) N									
Michelle Gonzales		1/16/25	2230	Michelle Gonzales		1/17/25	815	T1 T2 T3									
Michelle Gonzales				Michelle Gonzales				AVG Temp °C 4									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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Chain of Custody

Page 2 of 6

Client Information				Invoice Information		Lab Use Only		TAT				State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# <u>E591108</u>		Job Number <u>2303-002</u>				1D	2D	3D	Std	NM	CO	UT	TX		
Project: Janie Conner Well Pad				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				
1039	1/15/25	S	1	FS25-0'		11						X									
0822				FS28-0'		12															
1031				FS55-0'		13															
0747				FS57-0'		14															
0749				FS58-0'		15															
0748				FS59-0'		16															
0744				FS60-0'		17															
0745				FS61-0'		18															
0743				FS62-0'		19															
0730				FS63-0'		20															
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@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>Chad Hamilton</u> <u>Higinio Gonzalez</u> <u>Atuwale Adejumo</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: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>													
<u>Michelle Gonzales</u>		1/16/25	10:00	<u>Michelle Gonzales</u>		1/16/25	1000														
<u>Michelle Gonzales</u>		1-16-25	1520	<u>John H.</u>		1.16.25	1630														
<u>John H.</u>		1.16.25	2236	<u>Attu Khan</u>		1/17/25	815														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



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Envirotech Analytical Laboratory

Printed: 1/17/2025 11:44:01AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	01/17/25 08:15	Work Order ID:	E501108
Phone:	(972) 371-5200	Date Logged In:	01/16/25 14:48	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	01/23/25 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/Resolution

Project Janie Conner Well Pad has been separated into 3 Reports due to sample volume. WOs are E501108, E501109, E501110.

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? 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 Well Pad

Work Order: E501109

Job Number: 23003-0002

Received: 1/17/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/24/25

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: 1/24/25



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

Project Name: Janie Conner Well Pad
Workorder: E501109
Date Received: 1/17/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/17/2025 8:15:00AM, 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
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Janie Conner Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 01/24/25 15:37
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS65-0'	E501109-01A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS76-0'	E501109-02A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS66-0'	E501109-03A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS68-0'	E501109-04A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS70-0.5'	E501109-05A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS71-0.5'	E501109-06A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS72-0'	E501109-07A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS73-0'	E501109-08A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS74-0.5'	E501109-09A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS75-0'	E501109-10A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS77-0'	E501109-11A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS78-0.5'	E501109-12A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS79-0.5'	E501109-13A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS80-0.5'	E501109-14A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS81-0.5'	E501109-15A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS82-0.5'	E501109-16A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS83-0'	E501109-17A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS85-0'	E501109-18A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS87-0'	E501109-19A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS88-0.5'	E501109-20A	Soil	01/15/25	01/17/25	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:
1/24/2025 3:37:10PM

FS65-0'

E501109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/20/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/20/25	
Toluene	ND	0.0250	1	01/17/25	01/20/25	
o-Xylene	ND	0.0250	1	01/17/25	01/20/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/20/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/20/25	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	01/17/25	01/20/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	01/17/25	01/20/25	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/20/25	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	01/17/25	01/20/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	01/17/25	01/20/25	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	296	25.0	1	01/17/25	01/22/25	
Oil Range Organics (C28-C36)	275	50.0	1	01/17/25	01/22/25	
<i>Surrogate: n-Nonane</i>		122 %	50-200	01/17/25	01/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	6800	100	5	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS76-0'

E501109-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/20/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/20/25	
Toluene	ND	0.0250	1	01/17/25	01/20/25	
o-Xylene	ND	0.0250	1	01/17/25	01/20/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/20/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/20/25	
Surrogate: Bromofluorobenzene	99.3 %	70-130		01/17/25	01/20/25	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		01/17/25	01/20/25	
Surrogate: Toluene-d8	97.3 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/20/25	
Surrogate: Bromofluorobenzene	99.3 %	70-130		01/17/25	01/20/25	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		01/17/25	01/20/25	
Surrogate: Toluene-d8	97.3 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/22/25	
Surrogate: n-Nonane	119 %	50-200		01/17/25	01/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	2980	40.0	2	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS66-0'

E501109-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	94.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	94.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	58.6	25.0	1	01/17/25	01/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/22/25	
Surrogate: n-Nonane	117 %	50-200		01/17/25	01/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	7350	100	5	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS68-0'

E501109-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.0 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	95.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.0 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	95.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	2550	125	5	01/17/25	01/21/25	
Oil Range Organics (C28-C36)	10700	250	5	01/17/25	01/21/25	
Surrogate: n-Nonane	116 %	50-200		01/17/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	6480	100	5	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS70-0.5'

E501109-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.0 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	97.0 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.0 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	97.0 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	30.7	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	139	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	123 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	3980	40.0	2	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS71-0.5'

E501109-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.9 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.9 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	30.3	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	59.8	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	123 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	4380	200	10	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS72-0'

E501109-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/20/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/20/25	
Toluene	ND	0.0250	1	01/17/25	01/20/25	
o-Xylene	ND	0.0250	1	01/17/25	01/20/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/20/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/20/25	
Surrogate: Bromofluorobenzene	96.2 %	70-130		01/17/25	01/20/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/25	01/20/25	
Surrogate: Toluene-d8	93.8 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/20/25	
Surrogate: Bromofluorobenzene	96.2 %	70-130		01/17/25	01/20/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/25	01/20/25	
Surrogate: Toluene-d8	93.8 %	70-130		01/17/25	01/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	1430	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	62.3	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	123 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	1820	40.0	2	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS73-0'

E501109-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	98.2 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	98.2 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	657	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	1310	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	127 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	2810	40.0	2	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS74-0.5'

E501109-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.4 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	96.3 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.4 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	96.3 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	66.4	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	121 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	4650	200	10	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS75-0'

E501109-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	98.3 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	95.9 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	98.3 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	95.9 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	664	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	122 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	2080	40.0	2	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS77-0'

E501109-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	94.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	94.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	120 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	2620	40.0	2	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS78-0.5'

E501109-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	96.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	96.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	124 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	4400	200	10	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS79-0.5'

E501109-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	98.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	96.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	98.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	96.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	123 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	4050	200	10	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS80-0.5'

E501109-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	97.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	97.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	124 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	5050	100	5	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS81-0.5'

E501109-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	99.2 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	98.4 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	99.2 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	98.4 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	121 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	4390	200	10	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS82-0.5'

E501109-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	98.3 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	98.2 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	98.3 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	98.2 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	122 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	5000	200	10	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS83-0'

E501109-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	96.4 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	96.4 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	72.5	25.0	1	01/17/25	01/18/25	T17
Oil Range Organics (C28-C36)	106	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	119 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	5980	100	5	01/20/25	01/20/25	



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:
1/24/2025 3:37:10PM

FS85-0'

E501109-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	98.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	95.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	98.5 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	95.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	49.1	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	120 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	6690	100	5	01/20/25	01/21/25	



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:
1/24/2025 3:37:10PM

FS87-0'

E501109-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	96.3 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	96.3 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	566	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	324	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	118 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	6820	100	5	01/20/25	01/22/25	



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:
1/24/2025 3:37:10PM

FS88-0.5'

E501109-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	96.4 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	97.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2503115
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: Bromofluorobenzene	96.4 %	70-130		01/17/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/25	01/21/25	
Surrogate: Toluene-d8	97.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503111
Diesel Range Organics (C10-C28)	58.6	25.0	1	01/17/25	01/18/25	T17
Oil Range Organics (C28-C36)	68.8	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	129 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503121
Chloride	3850	40.0	2	01/20/25	01/22/25	



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	1/24/2025 3:37:10PM

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 (2503115-BLK1)

Prepared: 01/17/25 Analyzed: 01/20/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.468		0.500		93.5	70-130			

LCS (2503115-BS1)

Prepared: 01/17/25 Analyzed: 01/20/25

Benzene	2.38	0.0250	2.50		95.1	70-130			
Ethylbenzene	2.24	0.0250	2.50		89.4	70-130			
Toluene	2.18	0.0250	2.50		87.2	70-130			
o-Xylene	2.11	0.0250	2.50		84.2	70-130			
p,m-Xylene	4.23	0.0500	5.00		84.5	70-130			
Total Xylenes	6.33	0.0250	7.50		84.4	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.465		0.500		93.0	70-130			

Matrix Spike (2503115-MS1)

Source: E501109-07

Prepared: 01/17/25 Analyzed: 01/20/25

Benzene	2.48	0.0250	2.50	ND	99.3	48-131			
Ethylbenzene	2.33	0.0250	2.50	ND	93.2	45-135			
Toluene	2.28	0.0250	2.50	ND	91.1	48-130			
o-Xylene	2.23	0.0250	2.50	ND	89.3	43-135			
p,m-Xylene	4.47	0.0500	5.00	ND	89.4	43-135			
Total Xylenes	6.70	0.0250	7.50	ND	89.4	43-135			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.465		0.500		92.9	70-130			

Matrix Spike Dup (2503115-MSD1)

Source: E501109-07

Prepared: 01/17/25 Analyzed: 01/20/25

Benzene	2.53	0.0250	2.50	ND	101	48-131	2.07	23	
Ethylbenzene	2.42	0.0250	2.50	ND	97.0	45-135	4.02	27	
Toluene	2.37	0.0250	2.50	ND	94.9	48-130	4.15	24	
o-Xylene	2.42	0.0250	2.50	ND	96.6	43-135	7.85	27	
p,m-Xylene	4.81	0.0500	5.00	ND	96.3	43-135	7.40	27	
Total Xylenes	7.23	0.0250	7.50	ND	96.4	43-135	7.55	27	
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.5	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	1/24/2025 3:37:10PM

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 (2503115-BLK1) Prepared: 01/17/25 Analyzed: 01/20/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.468		0.500		93.5	70-130			

LCS (2503115-BS2) Prepared: 01/17/25 Analyzed: 01/20/25

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.474		0.500		94.7	70-130			

Matrix Spike (2503115-MS2) Source: E501109-07 Prepared: 01/17/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

Matrix Spike Dup (2503115-MSD2) Source: E501109-07 Prepared: 01/17/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	4.87	20	
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	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	1/24/2025 3:37:10PM

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

Blank (2503111-BLK1)					Prepared: 01/17/25 Analyzed: 01/18/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.6		50.0		127	50-200			

LCS (2503111-BS1)					Prepared: 01/17/25 Analyzed: 01/18/25				
Diesel Range Organics (C10-C28)	276	25.0	250		111	38-132			
Surrogate: n-Nonane	58.9		50.0		118	50-200			

Matrix Spike (2503111-MS1)					Source: E501109-04		Prepared: 01/17/25 Analyzed: 01/21/25		
Diesel Range Organics (C10-C28)	3470	125	250	2550	370	38-132			M4
Surrogate: n-Nonane	57.1		50.0		114	50-200			

Matrix Spike Dup (2503111-MSD1)					Source: E501109-04		Prepared: 01/17/25 Analyzed: 01/21/25		
Diesel Range Organics (C10-C28)	3160	125	250	2550	244	38-132	9.49	20	M4
Surrogate: n-Nonane	56.2		50.0		112	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: 1/24/2025 3:37:10PM
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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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2503121-BLK1)						Prepared: 01/20/25 Analyzed: 01/20/25			
Chloride	ND	20.0							
LCS (2503121-BS1)						Prepared: 01/20/25 Analyzed: 01/20/25			
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2503121-MS1)				Source: E501109-03		Prepared: 01/20/25 Analyzed: 01/20/25			
Chloride	7360	100	250	7350	3.97	80-120			M4
Matrix Spike Dup (2503121-MSD1)				Source: E501109-03		Prepared: 01/20/25 Analyzed: 01/20/25			
Chloride	5880	100	250	7350	NR	80-120	22.4	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 Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/24/25 15:37

- 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.
- T17 The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.
- 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 3 of 6

Client Information				Invoice Information		Lab Use Only		TAT				State											
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E501109		Job Number 230030002				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>				1D	2D	3D	Std				X
1D	2D	3D	Std																				
			X																				
Project: Janie Conner Well Pad				Address: 3122 National Parks Hwy								<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																				
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						
0814	1/15/25	S	1	FS65-0'		1						X											
0733				FS76-0'		2																	
0816				FS66-0'		3																	
0721				FS68-0'		4																	
1333				FS70-0.5'		5																	
1344				FS71-0.5'		6																	
0726				FS72-0'		7																	
0737				FS73-0'		8																	
1348				FS74-0.5'		9																	
0723				FS75-0'		10																	
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@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: Chad Hamilton, Hignia Gonzalez, Alvarado, Adarabio																							
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: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>															
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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Chain of Custody

Page 4 of 6

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 Well Pad				Address: 3122 National Parks Hwy		E59109		Job Number				2303-002					
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
0732	1/15/25	S	1	FS77-0'		11						X					
1351				FS78-0.5'		12											
1335				FS79-0.5'		13											
1338				FS80-0.5'		14											
1349				FS81-0.5'		15											
1352				FS82-0.5'		16											
0720				FS83-0'		17											
0819				FS85-0'		18											
0834				FS87-0'		19											
1341				FS88-0.5'		20											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@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: Chad Hamilton, Miguel Gonzalez, Olusola Adesokun																	
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 / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
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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Envirotech Analytical Laboratory

Printed: 1/17/2025 11:46:12AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	01/17/25 08:15	Work Order ID:	E501109
Phone:	(972) 371-5200	Date Logged In:	01/16/25 14:54	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	01/23/25 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/Resolution

Project Janie Conner Well Pad has been separated into 3 Reports due to sample volume. WOs are E501108, E501109, E501110.

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? 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

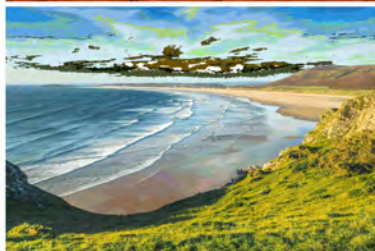
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



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 Well Pad

Work Order: E501110

Job Number: 23003-0002

Received: 1/17/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/23/25

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: 1/23/25



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

Project Name: Janie Conner Well Pad
Workorder: E501110
Date Received: 1/17/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/17/2025 8:15:00AM, 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
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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ljjarboe@envirotech-inc.com

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Client Representative
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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 Well Pad
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
01/23/25 09:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS89-0.5'	E501110-01A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS99-0.5'	E501110-02A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS100-0.5'	E501110-03A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS102-0.5'	E501110-04A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS103-0'	E501110-05A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS104-0'	E501110-06A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS105-0.5'	E501110-07A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS109-0'	E501110-08A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS110-0'	E501110-09A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS111-0'	E501110-10A	Soil	01/15/25	01/17/25	Glass Jar, 2 oz.
FS113-0'	E501110-11A	Soil	01/15/25	01/17/25	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:
1/23/2025 9:44:14AM

FS89-0.5'

E501110-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2503101	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.9 %	70-130	01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2503101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2503109	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>		128 %	50-200	01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2503122	
Chloride	5190	200	10	01/18/25	01/18/25	



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:
1/23/2025 9:44:14AM

FS99-0.5'

E501110-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503109
Diesel Range Organics (C10-C28)	88.6	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	219	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503122
Chloride	4310	200	10	01/18/25	01/18/25	



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:
1/23/2025 9:44:14AM

FS100-0.5'

E501110-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503109
Diesel Range Organics (C10-C28)	152	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	281	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503122
Chloride	5880	200	10	01/18/25	01/18/25	



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:
1/23/2025 9:44:14AM

FS102-0.5'

E501110-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503109
Diesel Range Organics (C10-C28)	70.2	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	105	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503122
Chloride	4610	200	10	01/18/25	01/18/25	



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:
1/23/2025 9:44:14AM

FS103-0'

E501110-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.6 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503109
Diesel Range Organics (C10-C28)	55.2	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503122
Chloride	6810	100	5	01/18/25	01/18/25	



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: 1/23/2025 9:44:14AM
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FS104-0'

E501110-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2503101	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2503101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.8 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2503109	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	119 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2503122	
Chloride	6030	100	5	01/18/25	01/18/25	



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:
1/23/2025 9:44:14AM

FS105-0.5'

E501110-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.1 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503109
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503122
Chloride	2660	200	10	01/18/25	01/18/25	



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: 1/23/2025 9:44:14AM
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FS109-0'

E501110-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2503101	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
Surrogate: 4-Bromochlorobenzene-PID	86.9 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2503101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.0 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2503109	
Diesel Range Organics (C10-C28)	156	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
Surrogate: n-Nonane	120 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2503122	
Chloride	5910	100	5	01/18/25	01/18/25	



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:
1/23/2025 9:44:14AM

FS110-0'

E501110-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503109
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503122
Chloride	2420	40.0	2	01/18/25	01/18/25	



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:
1/23/2025 9:44:14AM

FS111-0'

E501110-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.9 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503101
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503109
Diesel Range Organics (C10-C28)	ND	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2503122
Chloride	6590	100	5	01/18/25	01/18/25	



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: 1/23/2025 9:44:14AM
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FS113-0'

E501110-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503101	
Benzene	ND	0.0250	1	01/17/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/17/25	01/21/25	
Toluene	ND	0.0250	1	01/17/25	01/21/25	
o-Xylene	ND	0.0250	1	01/17/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/17/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/17/25	01/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/25	01/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		01/17/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503109	
Diesel Range Organics (C10-C28)	182	25.0	1	01/17/25	01/18/25	
Oil Range Organics (C28-C36)	151	50.0	1	01/17/25	01/18/25	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/17/25	01/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2503122	
Chloride	3150	40.0	2	01/18/25	01/18/25	



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	1/23/2025 9:44:14AM

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 (2503101-BLK1) Prepared: 01/17/25 Analyzed: 01/21/25

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	6.68		8.00		83.6	70-130			

LCS (2503101-BS1) Prepared: 01/17/25 Analyzed: 01/21/25

Benzene	4.50	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.45	0.0250	5.00		89.0	70-130			
Toluene	4.53	0.0250	5.00		90.7	70-130			
o-Xylene	4.44	0.0250	5.00		88.9	70-130			
p,m-Xylene	9.08	0.0500	10.0		90.8	70-130			
Total Xylenes	13.5	0.0250	15.0		90.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.88		8.00		86.0	70-130			

Matrix Spike (2503101-MS1) Source: E501099-07 Prepared: 01/17/25 Analyzed: 01/21/25

Benzene	4.50	0.0250	5.00	ND	90.1	54-133			
Ethylbenzene	4.43	0.0250	5.00	ND	88.7	61-133			
Toluene	4.52	0.0250	5.00	ND	90.5	61-130			
o-Xylene	4.45	0.0250	5.00	ND	89.0	63-131			
p,m-Xylene	9.05	0.0500	10.0	ND	90.5	63-131			
Total Xylenes	13.5	0.0250	15.0	ND	90.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.99		8.00		87.3	70-130			

Matrix Spike Dup (2503101-MSD1) Source: E501099-07 Prepared: 01/17/25 Analyzed: 01/21/25

Benzene	4.75	0.0250	5.00	ND	94.9	54-133	5.23	20	
Ethylbenzene	4.67	0.0250	5.00	ND	93.3	61-133	5.09	20	
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	4.99	20	
o-Xylene	4.64	0.0250	5.00	ND	92.8	63-131	4.22	20	
p,m-Xylene	9.51	0.0500	10.0	ND	95.1	63-131	4.98	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.4	63-131	4.73	20	
Surrogate: 4-Bromochlorobenzene-PID	6.96		8.00		87.0	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	1/23/2025 9:44:14AM

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 (2503101-BLK1) Prepared: 01/17/25 Analyzed: 01/21/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

LCS (2503101-BS2) Prepared: 01/17/25 Analyzed: 01/22/25

Gasoline Range Organics (C6-C10)	39.3	20.0	50.0		78.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			

Matrix Spike (2503101-MS2) Source: E501099-07 Prepared: 01/17/25 Analyzed: 01/21/25

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

Matrix Spike Dup (2503101-MSD2) Source: E501099-07 Prepared: 01/17/25 Analyzed: 01/21/25

Gasoline Range Organics (C6-C10)	40.1	20.0	50.0	ND	80.1	70-130	4.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.4	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	1/23/2025 9:44:14AM

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 (2503109-BLK1)					Prepared: 01/17/25 Analyzed: 01/17/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.3		50.0		119	50-200			

LCS (2503109-BS1)					Prepared: 01/17/25 Analyzed: 01/17/25				
Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			

Matrix Spike (2503109-MS1)					Source: E501099-02		Prepared: 01/17/25 Analyzed: 01/17/25		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	60.2		50.0		120	50-200			

Matrix Spike Dup (2503109-MSD1)					Source: E501099-02		Prepared: 01/17/25 Analyzed: 01/18/25		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	0.654	20	
Surrogate: n-Nonane	59.1		50.0		118	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: 1/23/2025 9:44:14AM
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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 (2503122-BLK1)					Prepared: 01/18/25 Analyzed: 01/18/25				
Chloride	ND	20.0							
LCS (2503122-BS1)					Prepared: 01/18/25 Analyzed: 01/18/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2503122-MS1)					Source: E501110-10		Prepared: 01/18/25 Analyzed: 01/18/25		
Chloride	7270	100	250	6590	272	80-120			M4
Matrix Spike Dup (2503122-MSD1)					Source: E501110-10		Prepared: 01/18/25 Analyzed: 01/18/25		
Chloride	7160	100	250	6590	230	80-120	1.47	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	01/23/25 09:44

- 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 5 of 6

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 Well Pad				Address: 3122 National Parks Hwy		E501110		2308-002				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
1344	1/15/25	S	1	FS89-0.5		1						X					
1343				FS99-0.5'		2											
1348				FS100-0.5'		3											
1400				FS102-0.5'		4											
0628				FS103-0'		5											
0718				FS104-0'		6											
1405				FS105-0.5		7											
1610				FS109-0'		8											
0827				FS110-0'		9											
0825				FS111-0'		10											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@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: Chad Hamilton, Hyacinth Gonzalez, Oluwale Adeniran																	
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 4									
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: 1/17/2025 11:50:44AM

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:	01/17/25 08:15	Work Order ID:	E501110
Phone:	(972) 371-5200	Date Logged In:	01/16/25 14:57	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/23/25 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/Resolution

Project Janie Conner Well Pad has been separated into 3 Reports due to sample volume. WOs are E501108, E501109, E501110.

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? 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 Well Pad

Work Order: E501126

Job Number: 23003-0002

Received: 1/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/24/25

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: 1/24/25

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



Project Name: Janie Conner Well Pad
Workorder: E501126
Date Received: 1/20/2025 7:20:30AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/20/2025 7:20:30AM, 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
Office: 505-632-1881
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 Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 01/24/25 12:56
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0'	E501126-01A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS02-0'	E501126-02A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS03-0'	E501126-03A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS04-0'	E501126-04A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS05-0.5'	E501126-05A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS06-0.5'	E501126-06A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS11-0.5'	E501126-07A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS13-0.5'	E501126-08A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS23-0.5'	E501126-09A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS24-0.5'	E501126-10A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS32-0.5'	E501126-11A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS34-0'	E501126-12A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS42-0'	E501126-13A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS43-0.5'	E501126-14A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS44-0.5'	E501126-15A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS45-0.5'	E501126-16A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS46-0.5'	E501126-17A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS47-0.5'	E501126-18A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS48-0.5'	E501126-19A	Soil	01/16/25	01/20/25	Glass Jar, 2 oz.
FS50-0.5'	E501126-20A	Soil	01/16/25	01/20/25	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:
1/24/2025 12:56:43PM

FS01-0'

E501126-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	761	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
		124 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	1860	40.0	2	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS02-0'

E501126-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	123	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	57.4	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	135 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	1780	40.0	2	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS03-0'

E501126-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	448	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	509	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	132 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	4900	40.0	2	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS04-0'

E501126-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	106	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	98.8	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	2990	40.0	2	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS05-0.5'

E501126-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	97.1	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	86.7	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	138 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	5650	100	5	01/21/25	01/21/25	



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: 1/24/2025 12:56:43PM
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FS06-0.5'

E501126-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	3910	100	5	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS11-0.5'

E501126-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.0 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	126 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	5900	100	5	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS13-0.5'

E501126-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	129 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	4360	40.0	2	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS23-0.5'

E501126-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.1 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	61.7	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	133 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	6280	200	10	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS24-0.5'

E501126-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.8 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	5730	200	10	01/21/25	01/21/25	



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: 1/24/2025 12:56:43PM
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FS32-0.5'

E501126-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	6630	100	5	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS34-0'

E501126-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	91.2	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	127 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	7390	100	5	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS42-0'

E501126-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	418	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	58.8	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	7020	100	5	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS43-0.5'

E501126-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.3 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	4680	40.0	2	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS44-0.5'

E501126-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	60.7	25.0	1	01/20/25	01/22/25	
Oil Range Organics (C28-C36)	58.8	50.0	1	01/20/25	01/22/25	
<i>Surrogate: n-Nonane</i>						
	134 %	50-200		01/20/25	01/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	9170	200	10	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS45-0.5'

E501126-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	9950	200	10	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS46-0.5'

E501126-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	3000	40.0	2	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS47-0.5'

E501126-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.0 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	4090	200	10	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS48-0.5'

E501126-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.9 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	5350	200	10	01/21/25	01/21/25	



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:
1/24/2025 12:56:43PM

FS50-0.5'

E501126-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504018	
Diesel Range Organics (C10-C28)	223	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504035	
Chloride	2620	200	10	01/21/25	01/21/25	



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	1/24/2025 12:56:43PM

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 (2504007-BLK1)

Prepared: 01/20/25 Analyzed: 01/23/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.17		8.00		89.6	70-130			

LCS (2504007-BS1)

Prepared: 01/20/25 Analyzed: 01/21/25

Benzene	4.84	0.0250	5.00		96.7	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.3	70-130			
Toluene	4.87	0.0250	5.00		97.5	70-130			
o-Xylene	4.81	0.0250	5.00		96.3	70-130			
p,m-Xylene	9.79	0.0500	10.0		97.9	70-130			
Total Xylenes	14.6	0.0250	15.0		97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			

Matrix Spike (2504007-MS1)

Source: E501126-04

Prepared: 01/20/25 Analyzed: 01/23/25

Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.20	0.0250	5.00	ND	104	61-133			
Toluene	5.32	0.0250	5.00	ND	106	61-130			
o-Xylene	5.20	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			

Matrix Spike Dup (2504007-MSD1)

Source: E501126-04

Prepared: 01/20/25 Analyzed: 01/23/25

Benzene	5.35	0.0250	5.00	ND	107	54-133	1.16	20	
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133	0.988	20	
Toluene	5.26	0.0250	5.00	ND	105	61-130	1.02	20	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	1.35	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	1.05	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	1.15	20	
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	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	1/24/2025 12:56:43PM

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 (2504007-BLK1) Prepared: 01/20/25 Analyzed: 01/23/25

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

LCS (2504007-BS2) Prepared: 01/20/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

Matrix Spike (2504007-MS2) Source: E501126-04 Prepared: 01/20/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.6	70-130			

Matrix Spike Dup (2504007-MSD2) Source: E501126-04 Prepared: 01/20/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130	2.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	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	1/24/2025 12:56:43PM

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 (2504018-BLK1)					Prepared: 01/20/25 Analyzed: 01/21/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			

LCS (2504018-BS1)					Prepared: 01/20/25 Analyzed: 01/21/25				
Diesel Range Organics (C10-C28)	253	25.0	250		101	38-132			
Surrogate: n-Nonane	55.6		50.0		111	50-200			

Matrix Spike (2504018-MS1)					Source: E501126-10		Prepared: 01/20/25 Analyzed: 01/21/25		
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	60.6		50.0		121	50-200			

Matrix Spike Dup (2504018-MSD1)					Source: E501126-10		Prepared: 01/20/25 Analyzed: 01/21/25		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	2.41	20	
Surrogate: n-Nonane	60.3		50.0		121	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: 1/24/2025 12:56:43PM
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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 (2504035-BLK1)					Prepared: 01/21/25 Analyzed: 01/21/25				
Chloride	ND	20.0							
LCS (2504035-BS1)					Prepared: 01/21/25 Analyzed: 01/21/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2504035-MS1)					Source: E501126-06		Prepared: 01/21/25 Analyzed: 01/21/25		
Chloride	3900	100	250	3910	NR	80-120			M4
Matrix Spike Dup (2504035-MSD1)					Source: E501126-06		Prepared: 01/21/25 Analyzed: 01/21/25		
Chloride	4350	100	250	3910	175	80-120	10.9	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	01/24/25 12:56

- 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 5

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 Well Pad				Address: 3122 National Parks Hwy		E501126	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
9:17	1/16/2025	S	1	FS01 - 0'		1						X					
9:20	1/16/2025	S	1	FS02 - 0'		2						X					
9:20	1/16/2025	S	1	FS03 - 0'		3						X					
9:15	1/16/2025	S	1	FS04 - 0'		4						X					
9:18	1/16/2025	S	1	FS05 - 0.5'		5						X					
9:07	1/16/2025	S	1	FS06 - 0.5		6						X					
8:58	1/16/2025	S	1	FS11 - 0.5'		7						X					
9:00	1/16/2025	S	1	FS13 - 0.5'		8						X					
9:10	1/16/2025	S	1	FS23 - 0.5'		9						X					
9:13	1/16/2025	S	1	FS24 - 0.5'		10						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@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: Cole Burton																	
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 4									
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.																	



Chain of Custody

Page 2 of 5

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 Well Pad				Address: 3122 National Parks Hwy		E501126		Job Number				23003002					
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
9:13	1/16/2025	S	1	FS32 - 0.5'		11						X					
9:23	1/16/2025	S	1	FS34 - 0'		12						X					
9:25	1/16/2025	S	1	FS42 - 0'		13						X					
9:33	1/16/2025	S	1	FS43 - 0.5'		14						X					
9:34	1/16/2025	S	1	FS44 - 0.5'		15						X					
9:36	1/16/2025	S	1	FS45 - 0.5'		16						X					
9:38	1/16/2025	S	1	FS46 - 0.5'		17						X					
9:43	1/16/2025	S	1	FS47 - 0.5'		18						X					
9:41	1/16/2025	S	1	FS48 - 0.5'		19						X					
9:33	1/16/2025	S	1	FS50 - 0.5'		20						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@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: Cole Burton																	
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: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
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: 1/20/2025 9:52:23AM

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:	01/20/25 07:20	Work Order ID:	E501126
Phone:	(972) 371-5200	Date Logged In:	01/17/25 15:22	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	01/24/25 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/Resolution

Project Janie Conner Well Pad has been separated into 2 reports due to sample volume. WO are E501126 & E501127.

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? 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 Well Pad

Work Order: E501127

Job Number: 23003-0002

Received: 1/20/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/27/25

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: 1/27/25

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



Project Name: Janie Conner Well Pad
Workorder: E501127
Date Received: 1/20/2025 7:20:30AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/20/2025 7:20:30AM, 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,

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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:
01/27/25 16:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS51-0.5'	E501127-01A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS52-0.5'	E501127-02A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS53-0.5'	E501127-03A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS54-0.5'	E501127-04A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS55-0.5'	E501127-05A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS56-0.5'	E501127-06A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS90-0.5'	E501127-07A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS91-0.5'	E501127-08A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS92-0.5'	E501127-09A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS94-1'	E501127-10A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS95-0.5'	E501127-11A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS96-0.5'	E501127-12A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS97-1'	E501127-13A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS07-1'	E501127-14A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS12-1'	E501127-15A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS14-1'	E501127-16A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS16-1'	E501127-17A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS29-1'	E501127-18A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS33-1'	E501127-19A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS35-1'	E501127-20A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS39-1'	E501127-21A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS40-1'	E501127-22A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS41-1'	E501127-23A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS84-1'	E501127-24A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS93-1'	E501127-25A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS107-1'	E501127-26A	Solid	01/16/25	01/20/25	Glass Jar, 2 oz.
FS112-0.5'	E501127-27A	Solid	01/16/25	01/20/25	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:
1/27/2025 4:47:06PM

FS51-0.5'

E501127-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/21/25	
Toluene	ND	0.0250	1	01/20/25	01/21/25	
o-Xylene	ND	0.0250	1	01/20/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/21/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	01/20/25	01/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	01/20/25	01/21/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	01/20/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/21/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	01/20/25	01/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	01/20/25	01/21/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	01/20/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	102	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
<i>Surrogate: n-Nonane</i>		122 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	5160	100	5	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS52-0.5'

E501127-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/21/25	
Toluene	ND	0.0250	1	01/20/25	01/21/25	
o-Xylene	ND	0.0250	1	01/20/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/21/25	
Surrogate: Bromofluorobenzene		103 %	70-130	01/20/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	01/20/25	01/21/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/21/25	
Surrogate: Bromofluorobenzene		103 %	70-130	01/20/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	01/20/25	01/21/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	32.9	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		118 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	4550	200	10	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS53-0.5'

E501127-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/21/25	
Toluene	ND	0.0250	1	01/20/25	01/21/25	
o-Xylene	ND	0.0250	1	01/20/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/21/25	
Surrogate: Bromofluorobenzene	99.9 %	70-130		01/20/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/20/25	01/21/25	
Surrogate: Toluene-d8	103 %	70-130		01/20/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/21/25	
Surrogate: Bromofluorobenzene	99.9 %	70-130		01/20/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		01/20/25	01/21/25	
Surrogate: Toluene-d8	103 %	70-130		01/20/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	1330	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	1530	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane	119 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	4750	100	5	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS54-0.5'

E501127-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/21/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/21/25	
Toluene	ND	0.0250	1	01/20/25	01/21/25	
o-Xylene	ND	0.0250	1	01/20/25	01/21/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/21/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/21/25	
Surrogate: Bromofluorobenzene		102 %	70-130	01/20/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/20/25	01/21/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/21/25	
Surrogate: Bromofluorobenzene		102 %	70-130	01/20/25	01/21/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	01/20/25	01/21/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	52.5	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	93.3	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		119 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	2230	200	10	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS55-0.5'

E501127-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene		106 %	70-130	01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	01/20/25	01/22/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene		106 %	70-130	01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	01/20/25	01/22/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	250	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		123 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	5870	100	5	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS56-0.5'

E501127-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	0.0710	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	0.0680	0.0500	1	01/20/25	01/23/25	
Total Xylenes	0.139	0.0250	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		108 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	21.6	20.0	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		108 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	3200	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	68.9	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		123 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	5650	100	5	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS90-0.5'

E501127-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		101 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		101 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	316	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	77.0	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		124 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	4630	100	5	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS91-0.5'

E501127-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		104 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		101 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		104 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		101 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	371	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		122 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	6660	100	5	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS92-0.5'

E501127-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		103 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		102 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		103 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		102 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	68.7	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		124 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	1630	100	5	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS94-1'

E501127-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	ND	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		102 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		103 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		102 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		103 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		112 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	2510	200	10	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS95-0.5'

E501127-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/23/25	
o-Xylene	0.0265	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	0.0265	0.0250	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		106 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		106 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		105 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	1270	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		120 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	3410	200	10	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS96-0.5'

E501127-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	0.310	0.0250	1	01/20/25	01/23/25	
Toluene	0.0295	0.0250	1	01/20/25	01/23/25	
o-Xylene	0.502	0.0250	1	01/20/25	01/23/25	
p,m-Xylene	1.05	0.0500	1	01/20/25	01/23/25	
Total Xylenes	1.55	0.0250	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		104 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		107 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	59.1	20.0	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		104 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		107 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	6130	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	69.0	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		126 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	6180	100	5	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS97-1'

E501127-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/23/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	0.0425	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	0.0425	0.0250	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene		104 %	70-130	01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		104 %	70-130	01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	28.8	20.0	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		104 %	70-130	01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		104 %	70-130	01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	2030	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		127 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	2970	200	10	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS07-1'

E501127-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene		100 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		104 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/23/25	
Surrogate: Bromofluorobenzene		100 %	70-130	01/20/25	01/23/25	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	01/20/25	01/23/25	
Surrogate: Toluene-d8		104 %	70-130	01/20/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane		113 %	50-200	01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	7090	200	10	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS12-1'

E501127-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	98.0 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	103 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	98.0 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	103 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane	110 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	6690	200	10	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS14-1'

E501127-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	106 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	106 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane	124 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	5470	200	10	01/21/25	01/21/25	



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:
1/27/2025 4:47:06PM

FS16-1'

E501127-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	99.4 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	103 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	99.4 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	103 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	244	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	147	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane	121 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	4720	200	10	01/21/25	01/22/25	



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:
1/27/2025 4:47:06PM

FS29-1'

E501127-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	99.8 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	103 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	99.8 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	103 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane	117 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	5700	200	10	01/21/25	01/22/25	



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:
1/27/2025 4:47:06PM

FS33-1'

E501127-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	97.8 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	105 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	97.8 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	105 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane	117 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	7330	200	10	01/21/25	01/22/25	



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:
1/27/2025 4:47:06PM

FS35-1'

E501127-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Benzene	ND	0.0250	1	01/20/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/22/25	
Toluene	ND	0.0250	1	01/20/25	01/22/25	
o-Xylene	ND	0.0250	1	01/20/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	99.0 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	102 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504021
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/22/25	
Surrogate: Bromofluorobenzene	99.0 %	70-130		01/20/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/20/25	01/22/25	
Surrogate: Toluene-d8	102 %	70-130		01/20/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/25	01/21/25	
Surrogate: n-Nonane	117 %	50-200		01/20/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504041
Chloride	5860	200	10	01/21/25	01/22/25	



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:
1/27/2025 4:47:06PM

FS39-1'

E501127-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504025	
Benzene	ND	0.0250	1	01/20/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/24/25	
Toluene	ND	0.0250	1	01/20/25	01/24/25	
o-Xylene	ND	0.0250	1	01/20/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.6 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504052	
Diesel Range Organics (C10-C28)	36.9	25.0	1	01/21/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/21/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2504062	
Chloride	9210	200	10	01/24/25	01/24/25	



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:
1/27/2025 4:47:06PM

FS40-1'

E501127-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504025
Benzene	ND	0.0250	1	01/20/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/24/25	
Toluene	ND	0.0250	1	01/20/25	01/24/25	
o-Xylene	ND	0.0250	1	01/20/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504025
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504052
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/21/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2504062
Chloride	5690	200	10	01/24/25	01/24/25	



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:
1/27/2025 4:47:06PM

FS41-1'

E501127-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504025
Benzene	ND	0.0250	1	01/20/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/24/25	
Toluene	ND	0.0250	1	01/20/25	01/24/25	
o-Xylene	ND	0.0250	1	01/20/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504025
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504052
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/21/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2504062
Chloride	2800	200	10	01/24/25	01/24/25	



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:
1/27/2025 4:47:06PM

FS84-1'

E501127-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504025	
Benzene	ND	0.0250	1	01/20/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/24/25	
Toluene	ND	0.0250	1	01/20/25	01/24/25	
o-Xylene	ND	0.0250	1	01/20/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504052	
Diesel Range Organics (C10-C28)	129	25.0	1	01/21/25	01/21/25	
Oil Range Organics (C28-C36)	129	50.0	1	01/21/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/21/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2504062	
Chloride	5180	100	5	01/24/25	01/24/25	



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: 1/27/2025 4:47:06PM
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FS93-1'

E501127-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2504025	
Benzene	ND	0.0250	1	01/20/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/20/25	01/24/25	
Toluene	ND	0.0250	1	01/20/25	01/24/25	
o-Xylene	0.128	0.0250	1	01/20/25	01/24/25	
p,m-Xylene	0.0844	0.0500	1	01/20/25	01/24/25	
Total Xylenes	0.212	0.0250	1	01/20/25	01/24/25	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2504025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.7 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2504052	
Diesel Range Organics (C10-C28)	1670	25.0	1	01/21/25	01/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/21/25	
Surrogate: n-Nonane	114 %	50-200		01/21/25	01/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2504062	
Chloride	1520	200	10	01/24/25	01/24/25	



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:
1/27/2025 4:47:06PM

FS107-1'

E501127-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504025
Benzene	ND	0.0250	1	01/20/25	01/24/25	
Ethylbenzene	0.0418	0.0250	1	01/20/25	01/24/25	
Toluene	0.0341	0.0250	1	01/20/25	01/24/25	
o-Xylene	ND	0.0250	1	01/20/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/20/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/20/25	01/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2504025
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504052
Diesel Range Organics (C10-C28)	448	25.0	1	01/21/25	01/21/25	
Oil Range Organics (C28-C36)	70.4	50.0	1	01/21/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		01/21/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2504062
Chloride	4620	200	10	01/24/25	01/24/25	



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:
1/27/2025 4:47:06PM

FS112-0.5'

E501127-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504025	
Benzene	ND	0.0250	1	01/20/25	01/24/25	
Ethylbenzene	0.0380	0.0250	1	01/20/25	01/24/25	
Toluene	ND	0.0250	1	01/20/25	01/24/25	
o-Xylene	ND	0.0250	1	01/20/25	01/24/25	
p,m-Xylene	0.0644	0.0500	1	01/20/25	01/24/25	
Total Xylenes	0.0644	0.0250	1	01/20/25	01/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/25	01/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		01/20/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504052	
Diesel Range Organics (C10-C28)	74.0	25.0	1	01/21/25	01/21/25	
Oil Range Organics (C28-C36)	76.9	50.0	1	01/21/25	01/21/25	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		01/21/25	01/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2504062	
Chloride	1990	40.0	2	01/24/25	01/24/25	



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	1/27/2025 4:47:06PM

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 (2504021-BLK1) Prepared: 01/20/25 Analyzed: 01/22/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

LCS (2504021-BS1) Prepared: 01/20/25 Analyzed: 01/22/25

Benzene	2.27	0.0250	2.50		90.6	70-130			
Ethylbenzene	2.35	0.0250	2.50		94.1	70-130			
Toluene	2.29	0.0250	2.50		91.8	70-130			
o-Xylene	2.42	0.0250	2.50		96.9	70-130			
p,m-Xylene	4.78	0.0500	5.00		95.6	70-130			
Total Xylenes	7.20	0.0250	7.50		96.0	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

Matrix Spike (2504021-MS1) Source: E501127-05 Prepared: 01/20/25 Analyzed: 01/22/25

Benzene	2.26	0.0250	2.50	ND	90.4	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.0	45-135			
Toluene	2.35	0.0250	2.50	ND	93.9	48-130			
o-Xylene	2.45	0.0250	2.50	ND	97.8	43-135			
p,m-Xylene	4.84	0.0500	5.00	ND	96.8	43-135			
Total Xylenes	7.29	0.0250	7.50	ND	97.1	43-135			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

Matrix Spike Dup (2504021-MSD1) Source: E501127-05 Prepared: 01/20/25 Analyzed: 01/22/25

Benzene	2.27	0.0250	2.50	ND	90.9	48-131	0.530	23	
Ethylbenzene	2.40	0.0250	2.50	ND	96.0	45-135	1.08	27	
Toluene	2.32	0.0250	2.50	ND	92.9	48-130	1.16	24	
o-Xylene	2.50	0.0250	2.50	ND	99.9	43-135	2.10	27	
p,m-Xylene	4.99	0.0500	5.00	ND	99.8	43-135	3.03	27	
Total Xylenes	7.49	0.0250	7.50	ND	99.8	43-135	2.72	27	
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	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	1/27/2025 4:47:06PM

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 (2504025-BLK1) Prepared: 01/20/25 Analyzed: 01/24/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.93		8.00		86.6	70-130			

LCS (2504025-BS1) Prepared: 01/20/25 Analyzed: 01/24/25

Benzene	4.82	0.0250	5.00		96.4	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.75	0.0250	5.00		95.0	70-130			
o-Xylene	4.64	0.0250	5.00		92.9	70-130			
p,m-Xylene	9.43	0.0500	10.0		94.3	70-130			
Total Xylenes	14.1	0.0250	15.0		93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

LCS Dup (2504025-BSD1) Prepared: 01/20/25 Analyzed: 01/24/25

Benzene	5.06	0.0250	5.00		101	70-130	4.95	20	
Ethylbenzene	4.84	0.0250	5.00		96.8	70-130	4.37	20	
Toluene	4.96	0.0250	5.00		99.3	70-130	4.46	20	
o-Xylene	4.84	0.0250	5.00		96.8	70-130	4.14	20	
p,m-Xylene	9.81	0.0500	10.0		98.1	70-130	3.94	20	
Total Xylenes	14.6	0.0250	15.0		97.6	70-130	4.01	20	
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	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	1/27/2025 4:47:06PM

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 (2504021-BLK1)

Prepared: 01/20/25 Analyzed: 01/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

LCS (2504021-BS2)

Prepared: 01/20/25 Analyzed: 01/22/25

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

Matrix Spike (2504021-MS2)

Source: E501127-05

Prepared: 01/20/25 Analyzed: 01/22/25

Gasoline Range Organics (C6-C10)	65.2	20.0	50.0	ND	130	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike Dup (2504021-MSD2)

Source: E501127-05

Prepared: 01/20/25 Analyzed: 01/22/25

Gasoline Range Organics (C6-C10)	63.9	20.0	50.0	ND	128	70-130	1.94	20	
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	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	1/27/2025 4:47:06PM

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 (2504025-BLK1) Prepared: 01/20/25 Analyzed: 01/24/25

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

LCS (2504025-BS2) Prepared: 01/20/25 Analyzed: 01/24/25

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0		84.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

LCS Dup (2504025-BSD2) Prepared: 01/20/25 Analyzed: 01/24/25

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		83.9	70-130	0.492	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 Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	1/27/2025 4:47:06PM

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 (2504019-BLK1)					Prepared: 01/20/25 Analyzed: 01/21/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.6		50.0		121	50-200			

LCS (2504019-BS1)					Prepared: 01/20/25 Analyzed: 01/21/25				
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132			
Surrogate: n-Nonane	59.1		50.0		118	50-200			

Matrix Spike (2504019-MS1)					Source: E501127-14		Prepared: 01/20/25 Analyzed: 01/21/25		
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132			
Surrogate: n-Nonane	59.5		50.0		119	50-200			

Matrix Spike Dup (2504019-MSD1)					Source: E501127-14		Prepared: 01/20/25 Analyzed: 01/21/25		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	12.9	20	
Surrogate: n-Nonane	60.2		50.0		120	50-200			



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	1/27/2025 4:47:06PM

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 (2504052-BLK1)					Prepared: 01/21/25 Analyzed: 01/21/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	50-200			

LCS (2504052-BS1)					Prepared: 01/21/25 Analyzed: 01/21/25				
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	56.9		50.0		114	50-200			

Matrix Spike (2504052-MS1)					Source: E501127-21		Prepared: 01/21/25 Analyzed: 01/21/25		
Diesel Range Organics (C10-C28)	303	25.0	250	36.9	106	38-132			
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			

Matrix Spike Dup (2504052-MSD1)					Source: E501127-21		Prepared: 01/21/25 Analyzed: 01/21/25		
Diesel Range Organics (C10-C28)	295	25.0	250	36.9	103	38-132	2.63	20	
Surrogate: n-Nonane	50.6		50.0		101	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: 1/27/2025 4:47:06PM
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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 (2504041-BLK1)						Prepared: 01/21/25 Analyzed: 01/21/25			
Chloride	ND	20.0							
LCS (2504041-BS1)						Prepared: 01/21/25 Analyzed: 01/21/25			
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2504041-MS1)				Source: E501127-03		Prepared: 01/21/25 Analyzed: 01/21/25			
Chloride	4980	100	250	4750	91.9	80-120			
Matrix Spike Dup (2504041-MSD1)				Source: E501127-03		Prepared: 01/21/25 Analyzed: 01/21/25			
Chloride	4790	100	250	4750	12.5	80-120	4.06	20	M4



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: 1/27/2025 4:47:06PM
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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 (2504062-BLK1)					Prepared: 01/24/25 Analyzed: 01/24/25				
Chloride	ND	20.0							
LCS (2504062-BS1)					Prepared: 01/24/25 Analyzed: 01/24/25				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2504062-MS1)					Source: E501127-23		Prepared: 01/24/25 Analyzed: 01/24/25		
Chloride	3090	200	250	2800	115	80-120			
Matrix Spike Dup (2504062-MSD1)					Source: E501127-23		Prepared: 01/24/25 Analyzed: 01/24/25		
Chloride	3120	200	250	2800	127	80-120	1.02	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	01/27/25 16:47

- 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

Client Information				Invoice Information				Lab Use Only				TAT				State											
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# E5011 & 7				Job Number 23003-0002				<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																								
X																											
Project: Janie Conner Well Pad				Address: 3122 National Parks Hwy								1D				2D											
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								3D				Std											
Address: 3122 National Parks Hwy				Phone: 575-988-0055												X											
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	1/16/2025	S	1	FS51 - 0.5'		1						X															
9:34	1/16/2025	S	1	FS52 - 0.5'		2						X															
9:48	1/16/2025	S	1	FS53 - 0.5'		3						X															
9:50	1/16/2025	S	1	FS54 - 0.5'		4						X															
9:39	1/16/2025	S	1	FS55 - 0.5'		5						X															
9:41	1/16/2025	S	1	FS56 - 0.5'		6						X															
9:52	1/16/2025	S	1	FS90 - 0.5		7						X															
9:45	1/16/2025	S	1	FS91 - 0.5'		8						X															
9:51	1/16/2025	S	1	FS92 - 0.5'		9						X															
9:42	1/16/2025	S	1	FS94 - 1'		10						X															
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@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: Cole Burton																											
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 4															
2B Dan		1/17/25		7:30		Michelle Gonzales		1-17-25		0730																	
Michelle Gonzales		1-17-25		1605		John H.		1-17-25		1645																	
John H.		1-17-25		2315		Lillian M...		1-20-25		7:20																	
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.																											



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 Conner Well Pad				Address: 3122 National Parks Hwy		E501127	230030002				X	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/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
9:49	1/16/2025	S	1	FS95 - 0.5'		11						X					
9:47	1/16/2025	S	1	FS96 - 0.5'		12						X					
9:45	1/16/2025	S	1	FS97 - 1'		13						X					
14:32	1/16/2025	S	1	FS07 - 1'		14						X					
14:30	1/16/2025	S	1	FS12 - 1'		15						X					
14:33	1/16/2025	S	1	FS14 - 1'		16						X					
14:27	1/16/2025	S	1	FS16 - 1'		17						X					
14:39	1/16/2025	S	1	FS29 - 1'		18						X					
14:34	1/16/2025	S	1	FS33 - 1'		19						X					
14:35	1/16/2025	S	1	FS35 - 1'		20						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@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: Cole Burton																	
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 4									
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.																	



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 Conner Well Pad				Address: 3122 National Parks Hwy		ES01127	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
14:36	1/16/2025	S	1	FS39 - 1'		21						X					
14:36	1/16/2025	S	1	FS40 - 1'		22						X					
14:36	1/16/2025	S	1	FS41 - 1'		23						X					
14:47	1/16/2025	S	1	FS84 - 1'		24						X					
14:41	1/16/2025	S	1	FS93 - 1'		25						X					
14:45	1/16/2025	S	1	FS107 - 1'		26						X					
14:45	1/16/2025	S	1	FS112 - 0.5'		27						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@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: Cole Burton																	
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 4											
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: 1/20/2025 10:02:44AM

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:	01/20/25 07:20	Work Order ID:	E501127
Phone:	(972) 371-5200	Date Logged In:	01/17/25 15:25	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/24/25 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/Resolution

Project Janie Conner Well Pad has been separated into 2 reports due to sample volume. WO are E501126 & E501127.

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? 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 Well Pad

Work Order: E501138

Job Number: 23003-0002

Received: 1/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/27/25

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: 1/27/25



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

Project Name: Janie Conner Well Pad
Workorder: E501138
Date Received: 1/21/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/21/2025 7:00:00AM, 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
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.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

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

Reported:
01/27/25 13:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS22-1'	E501138-01A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS26-0.5'	E501138-02A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS27-0.5'	E501138-03A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS30-0'	E501138-04A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS31-0'	E501138-05A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS36-0'	E501138-06A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS37-0.5'	E501138-07A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS38-0.5'	E501138-08A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS49-0.5'	E501138-09A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS64-1'	E501138-10A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS67-1.5'	E501138-11A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS86-0.5'	E501138-12A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS69-0.5'	E501138-13A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS98-0.5'	E501138-14A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS101-0.5'	E501138-15A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS106-0.5'	E501138-16A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS108-0.5'	E501138-17A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS114-0'	E501138-18A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS115-0'	E501138-19A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS116-0'	E501138-20A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS117-0'	E501138-21A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS118-0'	E501138-22A	Soil	01/17/25	01/21/25	Glass Jar, 2 oz.
FS119-0'	E501138-23A	Soil	01/17/25	01/21/25	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:
1/27/2025 1:23:52PM

FS22-1'

E501138-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	01/21/25	01/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	01/21/25	01/22/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	01/21/25	01/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	01/21/25	01/22/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
<i>Surrogate: n-Nonane</i>		118 %	50-200	01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	4310	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS26-0.5'

E501138-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	99.1 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.9 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	99.1 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.9 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	41.1	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	139	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	129 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	3310	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS27-0.5'

E501138-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.3 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.3 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	114 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	2420	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS30-0'

E501138-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.4 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.4 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	107	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	76.7	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	125 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	5700	100	5	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS31-0'

E501138-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.3 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	98.7 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.3 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	98.7 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	122 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	6400	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS36-0'

E501138-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.6 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.6 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	206	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	159	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	120 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	4070	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS37-0.5'

E501138-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.0 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.5 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.0 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.5 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	121 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	2520	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS38-0.5'

E501138-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.9 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.9 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	113 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	677	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS49-0.5'

E501138-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.9 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.9 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	121 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	2980	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS64-1'

E501138-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.2 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.2 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	133 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	4810	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS67-1.5'

E501138-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	99.7 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	98.3 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	99.7 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	98.3 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	31.1	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	118 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	5160	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS86-0.5'

E501138-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.2 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.2 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	106 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	3230	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS69-0.5'

E501138-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.4 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.4 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	120 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	4860	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS98-0.5'

E501138-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.3 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.3 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	117 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	1160	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS101-0.5'

E501138-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.3 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.9 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.3 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.9 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	266	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	116 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	3310	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS106-0.5'

E501138-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	99.1 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.2 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	99.1 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.2 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	504	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	121 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	3000	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS108-0.5'

E501138-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	129 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	1320	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS114-0'

E501138-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.6 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.6 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	2100	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	4980	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	120 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	1830	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS115-0'

E501138-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.1 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.8 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	98.1 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	96.8 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2504055
Diesel Range Organics (C10-C28)	5020	25.0	1	01/21/25	01/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/27/25	
Surrogate: n-Nonane	129 %	50-200		01/21/25	01/27/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	1560	200	10	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS116-0'

E501138-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Benzene	ND	0.0250	1	01/21/25	01/22/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/22/25	
Toluene	ND	0.0250	1	01/21/25	01/22/25	
o-Xylene	ND	0.0250	1	01/21/25	01/22/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/22/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.1 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	98.1 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504051
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/22/25	
Surrogate: Bromofluorobenzene	97.1 %	70-130		01/21/25	01/22/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		01/21/25	01/22/25	
Surrogate: Toluene-d8	98.1 %	70-130		01/21/25	01/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504055
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/23/25	
Surrogate: n-Nonane	118 %	50-200		01/21/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504086
Chloride	1000	40.0	2	01/22/25	01/23/25	



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:
1/27/2025 1:23:52PM

FS117-0'

E501138-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.8 %	70-130		01/21/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.4 %	70-130		01/21/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2504053	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
<i>Surrogate: n-Nonane</i>	120 %	50-200		01/21/25	01/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2504063	
Chloride	1940	40.0	2	01/21/25	01/23/25	



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: 1/27/2025 1:23:52PM
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FS118-0'

E501138-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Benzene	ND	0.250	10	01/21/25	01/23/25	
Ethylbenzene	ND	0.250	10	01/21/25	01/23/25	
Toluene	ND	0.250	10	01/21/25	01/23/25	
o-Xylene	ND	0.250	10	01/21/25	01/23/25	
p,m-Xylene	ND	0.500	10	01/21/25	01/23/25	
Total Xylenes	ND	0.250	10	01/21/25	01/23/25	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		01/21/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Gasoline Range Organics (C6-C10)	ND	200	10	01/21/25	01/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		01/21/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2504053	
Diesel Range Organics (C10-C28)	3760	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
Surrogate: n-Nonane	116 %	50-200		01/21/25	01/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2504063	
Chloride	2250	40.0	2	01/21/25	01/24/25	



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:
1/27/2025 1:23:52PM

FS119-0'

E501138-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Benzene	ND	0.0250	1	01/21/25	01/23/25	
Ethylbenzene	ND	0.0250	1	01/21/25	01/23/25	
Toluene	ND	0.0250	1	01/21/25	01/23/25	
o-Xylene	ND	0.0250	1	01/21/25	01/23/25	
p,m-Xylene	ND	0.0500	1	01/21/25	01/23/25	
Total Xylenes	ND	0.0250	1	01/21/25	01/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		01/21/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2504044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/21/25	01/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		01/21/25	01/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504053	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/25	01/24/25	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		01/21/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2504063	
Chloride	2570	200	10	01/21/25	01/24/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Janie Conner Well Pad	Reported: 1/27/2025 1:23:52PM
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504051-BLK1) Prepared: 01/21/25 Analyzed: 01/23/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

LCS (2504051-BS1) Prepared: 01/21/25 Analyzed: 01/23/25

Benzene	2.50	0.0250	2.50		100	70-130			
Ethylbenzene	2.40	0.0250	2.50		96.0	70-130			
Toluene	2.37	0.0250	2.50		94.7	70-130			
o-Xylene	2.36	0.0250	2.50		94.6	70-130			
p,m-Xylene	4.70	0.0500	5.00		94.0	70-130			
Total Xylenes	7.07	0.0250	7.50		94.2	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.474		0.500		94.8	70-130			

Matrix Spike (2504051-MS1) Source: E501138-08 Prepared: 01/21/25 Analyzed: 01/23/25

Benzene	2.49	0.0250	2.50	ND	99.4	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.8	45-135			
Toluene	2.44	0.0250	2.50	ND	97.7	48-130			
o-Xylene	2.46	0.0250	2.50	ND	98.2	43-135			
p,m-Xylene	4.95	0.0500	5.00	ND	98.9	43-135			
Total Xylenes	7.40	0.0250	7.50	ND	98.7	43-135			
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

Matrix Spike Dup (2504051-MSD1) Source: E501138-08 Prepared: 01/21/25 Analyzed: 01/23/25

Benzene	2.52	0.0250	2.50	ND	101	48-131	1.38	23	
Ethylbenzene	2.51	0.0250	2.50	ND	100	45-135	1.67	27	
Toluene	2.48	0.0250	2.50	ND	99.3	48-130	1.60	24	
o-Xylene	2.49	0.0250	2.50	ND	99.5	43-135	1.29	27	
p,m-Xylene	4.98	0.0500	5.00	ND	99.5	43-135	0.625	27	
Total Xylenes	7.47	0.0250	7.50	ND	99.5	43-135	0.847	27	
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	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	1/27/2025 1:23:52PM

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 (2504044-BLK1) Prepared: 01/21/25 Analyzed: 01/23/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.79		8.00		84.9	70-130			

LCS (2504044-BS1) Prepared: 01/21/25 Analyzed: 01/23/25

Benzene	4.97	0.0250	5.00		99.5	70-130			
Ethylbenzene	4.77	0.0250	5.00		95.4	70-130			
Toluene	4.88	0.0250	5.00		97.7	70-130			
o-Xylene	4.74	0.0250	5.00		94.7	70-130			
p,m-Xylene	9.68	0.0500	10.0		96.8	70-130			
Total Xylenes	14.4	0.0250	15.0		96.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.85		8.00		85.6	70-130			

Matrix Spike (2504044-MS1) Source: E501137-05 Prepared: 01/21/25 Analyzed: 01/23/25

Benzene	5.12	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	61-133			
Toluene	5.03	0.0250	5.00	ND	101	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.77		8.00		84.6	70-130			

Matrix Spike Dup (2504044-MSD1) Source: E501137-05 Prepared: 01/21/25 Analyzed: 01/23/25

Benzene	4.80	0.0250	5.00	ND	96.0	54-133	6.41	20	
Ethylbenzene	4.57	0.0250	5.00	ND	91.5	61-133	6.28	20	
Toluene	4.72	0.0250	5.00	ND	94.4	61-130	6.22	20	
o-Xylene	4.57	0.0250	5.00	ND	91.4	63-131	6.04	20	
p,m-Xylene	9.29	0.0500	10.0	ND	92.9	63-131	6.19	20	
Total Xylenes	13.9	0.0250	15.0	ND	92.4	63-131	6.14	20	
Surrogate: 4-Bromochlorobenzene-PID	6.78		8.00		84.8	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	1/27/2025 1:23:52PM

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 (2504044-BLK1) Prepared: 01/21/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

LCS (2504044-BS2) Prepared: 01/21/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.4	70-130			

Matrix Spike (2504044-MS2) Source: E501137-05 Prepared: 01/21/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.2	70-130			

Matrix Spike Dup (2504044-MSD2) Source: E501137-05 Prepared: 01/21/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	41.9	20.0	50.0	ND	83.8	70-130	1.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.3	70-130			



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: 1/27/2025 1:23:52PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2504051-BLK1)

Prepared: 01/21/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

LCS (2504051-BS2)

Prepared: 01/21/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.5	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			

Matrix Spike (2504051-MS2)

Source: E501138-08

Prepared: 01/21/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			

Matrix Spike Dup (2504051-MSD2)

Source: E501138-08

Prepared: 01/21/25 Analyzed: 01/23/25

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130	0.548	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
Surrogate: Toluene-d8	0.485		0.500		97.0	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	1/27/2025 1:23:52PM

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 (2504053-BLK1)					Prepared: 01/21/25 Analyzed: 01/23/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.5		50.0		113	50-200			

LCS (2504053-BS1)					Prepared: 01/21/25 Analyzed: 01/23/25				
Diesel Range Organics (C10-C28)	254	25.0	250		101	38-132			
Surrogate: n-Nonane	60.5		50.0		121	50-200			

Matrix Spike (2504053-MS1)					Source: E501137-12		Prepared: 01/21/25 Analyzed: 01/23/25		
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	57.5		50.0		115	50-200			

Matrix Spike Dup (2504053-MSD1)					Source: E501137-12		Prepared: 01/21/25 Analyzed: 01/23/25		
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132	0.371	20	
Surrogate: n-Nonane	59.5		50.0		119	50-200			



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	1/27/2025 1:23:52PM

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 (2504055-BLK1)					Prepared: 01/21/25 Analyzed: 01/23/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.1		50.0		126	50-200			

LCS (2504055-BS1)					Prepared: 01/21/25 Analyzed: 01/23/25				
Diesel Range Organics (C10-C28)	293	25.0	250		117	38-132			
Surrogate: n-Nonane	61.5		50.0		123	50-200			

Matrix Spike (2504055-MS1)					Source: E501138-12		Prepared: 01/21/25 Analyzed: 01/23/25		
Diesel Range Organics (C10-C28)	301	25.0	250	ND	120	38-132			
Surrogate: n-Nonane	61.2		50.0		122	50-200			

Matrix Spike Dup (2504055-MSD1)					Source: E501138-12		Prepared: 01/21/25 Analyzed: 01/23/25		
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132	1.01	20	
Surrogate: n-Nonane	61.1		50.0		122	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: 1/27/2025 1:23:52PM
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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 (2504063-BLK1)				Prepared: 01/21/25 Analyzed: 01/23/25					
Chloride	ND	20.0							
LCS (2504063-BS1)				Prepared: 01/21/25 Analyzed: 01/23/25					
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2504063-MS1)				Source: E501136-03		Prepared: 01/21/25 Analyzed: 01/23/25			
Chloride	3910	40.0	250	3670	95.3	80-120			
Matrix Spike Dup (2504063-MSD1)				Source: E501136-03		Prepared: 01/21/25 Analyzed: 01/23/25			
Chloride	4040	40.0	250	3670	147	80-120	3.24	20	M4



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: 1/27/2025 1:23:52PM
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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 (2504086-BLK1)					Prepared: 01/22/25 Analyzed: 01/23/25				
Chloride	ND	20.0							
LCS (2504086-BS1)					Prepared: 01/22/25 Analyzed: 01/23/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2504086-MS1)					Source: E501138-03		Prepared: 01/22/25 Analyzed: 01/23/25		
Chloride	2720	200	250	2420	123	80-120			M4
Matrix Spike Dup (2504086-MSD1)					Source: E501138-03		Prepared: 01/22/25 Analyzed: 01/23/25		
Chloride	2670	200	250	2420	100	80-120	2.10	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Conner Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	01/27/25 13:23

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

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

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

Chain of Custody

Page 1 of 3

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 Well Pad				Address: 3122 National Parks Hwy		E501138		Job Number				2003-0002					
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
0945	1/17/25	S	1	FS22-1'		1						X					
1008				FS26-0.5'		2											
1007				FS27-0.5'		3											
0936				FS30-0'		4											
0950				FS31-0'		5											
0942				FS36-0'		6											
0946				FS37-0.5'		7											
0948				FS38-0.5'		8											
1009				FS49-0.5'		9											
1004				FS64-1'		10											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@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: Chad Hamilton, Oluwale Aderinto																	
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 4									
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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Chain of Custody

Page 2 of 3

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 Well Pad				Address: 3122 National Parks Hwy		E501138		Job Number				23003-0002					
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
1004	1/17/25	S	1	FS67-0.15'		11						X					
1010				FS86-0.5'		12											
1006				FS69-0.5'		13											
0924				FS98-0.5'		14											
0930				FS101-0.5'		15											
0928				FS106-0.5'		16											
0926				FS108-0.5'		17											
0951				FS114-0'		18											
1242				FS115-0'		19											
1247				FS116-0'		20											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, bsimmons@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: Chad Hamilton, Oluwale Aderinto																	
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="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
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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Client 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 Well Pad						Address: 3122 National Parks Hwy						E501138		23003-0002					X	X									
Project Manager: Ashley Giovengo						City, State, Zip: Carlsbad NM, 88220																							
Address: 3122 National Parks Hwy						Phone: 575-988-0055																							
City, State, Zip: Carlsbad NM, 88220						Email: agiovengo@ensolum.com																							
Phone: 575-988-0055						Miscellaneous:																							
Email: agiovengo@ensolum.com																													
														Analysis and Method										EPA Program					
														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	
																										Compliance	Y	or	N
																									PWSID #				
																										Remarks			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number																							
1254	1/17/25	S	1	FS117-O'		21									X														
1256	1/17/25	S	1	FS118-O'		22									X														
1300	1/17/25	S	1	FS119-O'		23									X														
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeall@ensolum.com, bsimmons@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: Chad Hamilton, Oluwale Aderinto																													
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 4																	
Michelle Gonzales		1/20/25		0730		Michelle Gonzales		1/20/25		0730																			
Linda M.		1/20/25		1500		Linda M.		1/20/25		1600																			
Linda M.		1/20/25		2200		Linda M.		1/21/25		700																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																			
Sample Matrix: S - Soil, Sg - Sludge, A - Aqueous, O - Other																													
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																													
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																													

Envirotech Analytical Laboratory

Printed: 1/21/2025 7:46:52AM

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:	01/21/25 07:00	Work Order ID:	E501138
Phone:	(972) 371-5200	Date Logged In:	01/20/25 13:46	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	01/27/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Work Order: E502056

Job Number: 23003-0002

Received: 2/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/13/25

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: 2/13/25



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

Project Name: Janie Conner Well Pad
Workorder: E502056
Date Received: 2/7/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/7/2025 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,

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Chain of Custody etc.

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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: 02/13/25 10:48
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01A-0'	E502056-01A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
SS12A-0'	E502056-02A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS20-1'	E502056-03A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS53-0.5'	E502056-04A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS56-0.5'	E502056-05A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS68-0.5'	E502056-06A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS72-0.5'	E502056-07A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS93-1'	E502056-08A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS95-0.5'	E502056-09A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS96-1'	E502056-10A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS97-1'	E502056-11A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS114-0.5'	E502056-12A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS115-0.5'	E502056-13A	Soil	02/05/25	02/07/25	Glass Jar, 2 oz.
FS118-0.5'	E502056-14A	Soil	02/05/25	02/07/25	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:
2/13/2025 10:48:49AM

SS01A-0'

E502056-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	02/07/25	02/10/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/07/25	02/10/25	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	02/07/25	02/10/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/07/25	02/10/25	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	1090	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

SS12A-0'

E502056-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	97.8 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	98.0 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	97.8 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	98.0 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	117 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	2550	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS20-1'

E502056-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	96.4 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	97.0 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	96.4 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	97.0 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	115 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	5320	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS53-0.5'

E502056-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	97.3 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	99.2 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	97.3 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	99.2 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	115 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	2440	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS56-0.5'

E502056-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	94.7 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	97.3 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	94.7 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	97.3 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	119 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	1410	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS68-0.5'

E502056-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	97.7 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	97.7 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	115 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	4490	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS72-0.5'

E502056-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	98.0 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	98.1 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	98.0 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	98.1 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	552	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	117 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	4310	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS93-1'

E502056-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	96.8 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	96.8 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	117 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	910	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS95-0.5'

E502056-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/10/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/10/25	
Toluene	ND	0.0250	1	02/07/25	02/10/25	
o-Xylene	ND	0.0250	1	02/07/25	02/10/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/10/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	97.2 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/10/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		02/07/25	02/10/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		02/07/25	02/10/25	
Surrogate: Toluene-d8	97.2 %	70-130		02/07/25	02/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/07/25	
Surrogate: n-Nonane	120 %	61-141		02/07/25	02/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	958	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS96-1'

E502056-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/11/25	
Toluene	ND	0.0250	1	02/07/25	02/11/25	
o-Xylene	ND	0.0250	1	02/07/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/11/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		02/07/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/07/25	02/11/25	
Surrogate: Toluene-d8	97.3 %	70-130		02/07/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/11/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		02/07/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/07/25	02/11/25	
Surrogate: Toluene-d8	97.3 %	70-130		02/07/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/08/25	
Surrogate: n-Nonane	112 %	61-141		02/07/25	02/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	1860	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS97-1'

E502056-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/11/25	
Toluene	ND	0.0250	1	02/07/25	02/11/25	
o-Xylene	ND	0.0250	1	02/07/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/11/25	
Surrogate: Bromofluorobenzene	96.4 %	70-130		02/07/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		02/07/25	02/11/25	
Surrogate: Toluene-d8	98.0 %	70-130		02/07/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/11/25	
Surrogate: Bromofluorobenzene	96.4 %	70-130		02/07/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		02/07/25	02/11/25	
Surrogate: Toluene-d8	98.0 %	70-130		02/07/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/08/25	
Surrogate: n-Nonane	118 %	61-141		02/07/25	02/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	1700	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS114-0.5'

E502056-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/11/25	
Toluene	ND	0.0250	1	02/07/25	02/11/25	
o-Xylene	ND	0.0250	1	02/07/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/11/25	
Surrogate: Bromofluorobenzene	97.2 %	70-130		02/07/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/07/25	02/11/25	
Surrogate: Toluene-d8	98.8 %	70-130		02/07/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/11/25	
Surrogate: Bromofluorobenzene	97.2 %	70-130		02/07/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		02/07/25	02/11/25	
Surrogate: Toluene-d8	98.8 %	70-130		02/07/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/08/25	
Surrogate: n-Nonane	123 %	61-141		02/07/25	02/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	1300	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS115-0.5'

E502056-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/11/25	
Toluene	ND	0.0250	1	02/07/25	02/11/25	
o-Xylene	ND	0.0250	1	02/07/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/11/25	
Surrogate: Bromofluorobenzene	95.7 %	70-130		02/07/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		02/07/25	02/11/25	
Surrogate: Toluene-d8	98.6 %	70-130		02/07/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/11/25	
Surrogate: Bromofluorobenzene	95.7 %	70-130		02/07/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		02/07/25	02/11/25	
Surrogate: Toluene-d8	98.6 %	70-130		02/07/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	ND	25.0	1	02/07/25	02/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/08/25	
Surrogate: n-Nonane	105 %	61-141		02/07/25	02/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	1040	200	10	02/07/25	02/07/25	



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:
2/13/2025 10:48:49AM

FS118-0.5'

E502056-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Benzene	ND	0.0250	1	02/07/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/07/25	02/11/25	
Toluene	ND	0.0250	1	02/07/25	02/11/25	
o-Xylene	ND	0.0250	1	02/07/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/07/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/07/25	02/11/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		02/07/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		02/07/25	02/11/25	
Surrogate: Toluene-d8	97.1 %	70-130		02/07/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506113
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/07/25	02/11/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		02/07/25	02/11/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		02/07/25	02/11/25	
Surrogate: Toluene-d8	97.1 %	70-130		02/07/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506110
Diesel Range Organics (C10-C28)	88.4	25.0	1	02/07/25	02/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/07/25	02/08/25	
Surrogate: n-Nonane	116 %	61-141		02/07/25	02/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506116
Chloride	2160	200	10	02/07/25	02/07/25	



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	2/13/2025 10:48:49AM

Volatile Organic Compounds by EPA 8260B

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 (2506113-BLK1)

Prepared: 02/07/25 Analyzed: 02/10/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			

LCS (2506113-BS1)

Prepared: 02/07/25 Analyzed: 02/10/25

Benzene	2.43	0.0250	2.50		97.0	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.43	0.0250	2.50		97.0	70-130			
o-Xylene	2.43	0.0250	2.50		97.2	70-130			
p,m-Xylene	4.87	0.0500	5.00		97.5	70-130			
Total Xylenes	7.30	0.0250	7.50		97.4	70-130			
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			

Matrix Spike (2506113-MS1)

Source: E502056-08

Prepared: 02/07/25 Analyzed: 02/10/25

Benzene	2.38	0.0250	2.50	ND	95.2	48-131			
Ethylbenzene	2.45	0.0250	2.50	ND	98.1	45-135			
Toluene	2.39	0.0250	2.50	ND	95.5	48-130			
o-Xylene	2.42	0.0250	2.50	ND	96.9	43-135			
p,m-Xylene	4.87	0.0500	5.00	ND	97.5	43-135			
Total Xylenes	7.30	0.0250	7.50	ND	97.3	43-135			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

Matrix Spike Dup (2506113-MSD1)

Source: E502056-08

Prepared: 02/07/25 Analyzed: 02/10/25

Benzene	2.45	0.0250	2.50	ND	97.9	48-131	2.78	23	
Ethylbenzene	2.48	0.0250	2.50	ND	99.3	45-135	1.15	27	
Toluene	2.41	0.0250	2.50	ND	96.6	48-130	1.12	24	
o-Xylene	2.43	0.0250	2.50	ND	97.4	43-135	0.494	27	
p,m-Xylene	4.86	0.0500	5.00	ND	97.1	43-135	0.391	27	
Total Xylenes	7.29	0.0250	7.50	ND	97.2	43-135	0.0960	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	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	2/13/2025 10:48:49AM

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 (2506113-BLK1) Prepared: 02/07/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			

LCS (2506113-BS2) Prepared: 02/07/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.6	70-130			
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.3	70-130			

Matrix Spike (2506113-MS2) Source: E502056-08 Prepared: 02/07/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			

Matrix Spike Dup (2506113-MSD2) Source: E502056-08 Prepared: 02/07/25 Analyzed: 02/10/25

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130	3.74	20	
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	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	2/13/2025 10:48:49AM

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 (2506110-BLK1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	61-141			

LCS (2506110-BS1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	333	25.0	250		133	66-144			
Surrogate: n-Nonane	59.8		50.0		120	61-141			

Matrix Spike (2506110-MS1)					Source: E502053-03		Prepared: 02/07/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	315	25.0	250	ND	126	56-156			
Surrogate: n-Nonane	58.1		50.0		116	61-141			

Matrix Spike Dup (2506110-MSD1)					Source: E502053-03		Prepared: 02/07/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	336	25.0	250	ND	134	56-156	6.40	20	
Surrogate: n-Nonane	64.4		50.0		129	61-141			



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: 2/13/2025 10:48:49AM
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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 (2506116-BLK1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Chloride	ND	20.0							
LCS (2506116-BS1)					Prepared: 02/07/25 Analyzed: 02/07/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2506116-MS1)					Source: E502056-03		Prepared: 02/07/25 Analyzed: 02/07/25		
Chloride	5510	200	250	5320	74.1	80-120			M4
Matrix Spike Dup (2506116-MSD1)					Source: E502056-03		Prepared: 02/07/25 Analyzed: 02/07/25		
Chloride	5240	200	250	5320	NR	80-120	5.08	20	M4

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Janie Conner Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	02/13/25 10:48

- 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# E5020570		Job Number 23003-0002		1D	2D	3D	Std	NM	CO	UT	TX
Project: Janie Conner Well Pad				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
0923	2/5/25	S	1	SS01A-0'		1						X					
1030				SS12A-0'		2											
1130				FS20-1'		3											
1208				FS53-0.5'		4											
1217				FS56-0.5'		5											
1058				FS68-0.5'		6											
1004				FS72-0.5'		7											
1309				FS93-1'		8											
1510				FS95-0.5'		9											
1355				FS96-1'		10											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, jgonzalez@ensolum.com, bsimmons@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: Chad Hamilton, Jenna Hinkle																	
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 4									
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

Page 2 of 2



envirotech

Envirotech Analytical Laboratory

Printed: 2/7/2025 8:37:16AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	02/07/25 07:30	Work Order ID:	E502056
Phone:	(972) 371-5200	Date Logged In:	02/06/25 15:29	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/13/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Ashley Giovengo](#); [Arsenio Jones](#); jason.touchet@matadorresources.com; [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Janie Conner Slot 2 Well Pad Harold Melton Well - nAPP2422623967 - Background Chloride Sample Locations
Date: Thursday, December 19, 2024 2:04:35 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good afternoon Chad,

Mike Bratcher and I have had the time to discuss the locations proposed. We do not like the area south of the pad for BG02 as it is several feet in elevation lower than the pad therefore could be affected by runoff. Let's move this one up to the northwest of the pad near the location of your original BG05. I have attached a Google Earth screenshot to show where we would like that background location to be. The four backgrounds need to be collected as discrete samples at surface, 1', 2', etc., down to the deepest depth that you believe the impacts of the release to be. The surface samples may be averaged together to get a background at surface, the 1' depth samples may be averaged to get a background for 1', ad infinitum. If you are going to have to excavate to 3' in order to remove the hydrocarbon impact then you would want your background chloride samples to be collected down to 3'. Samples must be tested for all Table 1 constituents; if any BTEX or TPH is in a sample, it can not be used as a background. If you have more questions regarding this please let me know before you proceed.

Kind regards,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, December 16, 2024 3:31 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Arsenio Jones <arsenio.jones@matadorresources.com>; jason.touchet@matadorresources.com

Subject: [EXTERNAL] Janie Conner Slot 2 Well Pad Harold Melton Well - nAPP2422623967 - Background Chloride Sample Locations

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

Good Afternoon, Shelly,

I am reaching out with regards to the meeting we had last week about the background sampling completed at the Janie Conner Slot 2 Well Pad Harold Melton Well Pad (Incident Number nAPP2422623967). I have relocated the background sample locations and would like your approval before proceeding with the potholing. I have attached a Site map showing the original Background Sample Locations (green circles) and the newly relocated background sample locations (green pins). Background sample location BG01 has been relocated to a more densely vegetated area, east of the original sample location. Background sample location BG02 has been moved to an area more populate with grass and trees and background sample location BG03 has been moved from the center of the vegetative clearing to the edge of the clearing and within the tree line. BG04, which was similarly located to BG03 has been relocated from the clearing to within the tree line. Please review these new background sampling locations to ensure that they are in areas that have acceptable vegetation growth for background sampling.

Thanks,



Chad Hamilton

Staff Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#); jason.touchet@matadorresources.com; [Arsenio Jones](#); Csnow@matadorresources.com
Cc: [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Extension Request - Matador - Janie Connor Slot 2 Well Pad / Harold Melton - nAPP2422623967
Date: Thursday, December 12, 2024 10:39:39 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good morning Chad,

The extension request for NAPP2422623967 JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13 is approved. The new due date to submit your remediation plan or closure report to the OCD is March 12, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Thursday, December 12, 2024 10:12 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; jason.touchet@matadorresources.com; Arsenio Jones <arsenio.jones@matadorresources.com>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Csnow@matadorresources.com
Cc: Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Extension Request - Matador - Janie Connor Slot 2 Well Pad / Harold Melton - nAPP2422623967

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

Good Morning,

Matador Production Company (Matador) is requesting an extension of the current deadline of December 12, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Janie Connor Slot 2 Well Pad Harold Melton Well 13 (Site) (Incident Number nAPP2422623967). The release occurred on August 12, 2024, and approximately 24 barrels (bbls) of produced water were release on-pad; 20 bbls were recovered. Ensolum personnel have completed lateral and vertical delineation sampling at the Site. After several visits to the Site and multiple attempts to laterally and vertically delineate in accordance with New Mexico Oil Conservation Divison (NMOCD) Table I criteria, an investigation into naturally occurring chloride began. Ensolum personnel completed 5 boreholes in undisturbed areas off-pad to detect for the presence or absence of naturally occurring chloride at the Site. A variance request for background chloride was submitted on November 12, 2024, however it was denied. A meeting was held by Ensolum on behalf of Matador with NMOCD on December 11, 2024, to discuss the variance denial and the relocation of background sample areas (BG01 through BG04). Ensolum personnel will collect discrete soil samples at every foot from ground surface to 3 feet below ground surface (bgs) in background sample locations approved by the NMOCD. A revised chloride variance request will be submitted to the NMOCD web portal for review. Background sample locations will contain a minimum of four samples depths for the purpose of averaging a background chloride concentration in milligrams per kilogram (mg/kg). Matador intends to submit a remediation work plan or closure report upon remediation of the subject matter release. Matador respectfully requests a 90-day extension until March 12, 2025.

A separate background chloride variance request will be submitted to the NMOCD Portal pending completed background sampling.

Thanks,



Chad Hamilton

Staff Geologist

940-923-0072

Ensolum, LLC

in f 

From: [Wells, Shelly, EMNRD](#)
To: [Ashley Giovengo](#); [Jason Touchet](#); [Arsenio Jones](#)
Cc: [Chad Hamilton](#); [Bratcher, Michael, EMNRD](#)
Subject: RE: [EXTERNAL] Confirmation Sampling Variance - Janie Conner Slot 2 Well Pad Harold Melton Well 13 - Incident Number nAPP2422623967
Date: Monday, January 13, 2025 2:18:24 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)

[**EXTERNAL EMAIL**]

Hi Ashley,

Your request to collect samples from the base of the excavation at a frequency of every 400 square feet is approved. Sidewall samples will need to be collected at a frequency of every 200 square feet. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Monday, January 13, 2025 1:37 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Jason Touchet <jason.touchet@matadorresources.com>; Arsenio Jones <arsenio.jones@matadorresources.com>
Cc: Chad Hamilton <chamilton@ensolum.com>
Subject: [EXTERNAL] Confirmation Sampling Variance - Janie Conner Slot 2 Well Pad Harold Melton Well 13 - Incident Number nAPP2422623967

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

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Janie Conner Slot 2 Well Pad Harold Melton Well 13 (Site) (Incident Number nAPP2422623967). On August 12, 2024, a leak developed during fracking activities that resulted in the release of approximately 24 barrels (bbls) of produced water onto the caliche pad; 20 bbls were recovered from the release area. Based on delineation soil sampling completed to date, the impacted area is approximately 45,518 square feet (sq. ft.) in size on Private Land. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, CP-04828 POD1, located approximately 0.42 miles southeast 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. A desktop review for potential site receptors has been completed for this Site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is an irrigation canal located approximately 466 feet northeast of the Site. The Site is not underlain by unstable geology (medium potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 1,000 mg/kg TPH – Gasoline Range Organics (GRO) and TPH – Diesel Range Organics (DRO), 2,500 mg/kg total TPH and 10,000 mg/kg chloride.

On December 11, 2024, a meeting was held to discuss naturally occurring background chloride on-pad and in the area immediately surrounding the Site. Per NMOCD's request, Ensolum will relocate 4 of the background sample locations and collect discrete soil samples at every consecutive foot from ground surface to 3 feet below ground surface (bgs). Matador is scheduled to begin the background soil sampling and excavation of the release area on-pad beginning on January 13, 2025. Matador intends to collect confirmation samples following the removal of waste-containing soil and would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B. (1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a reported depth to groundwater greater than 55 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2422623967).

Thanks,



Ashley Giovengo
Senior Scientist
575-988-0055
Ensolum, LLC

| **in f X**

“Your authenticity is your superpower.” – Unknown

From: [Wells, Shelly, EMNRD](#)
To: [Chad Hamilton](#); [Bratcher, Michael, EMNRD](#); jason.touchet@matadorresources.com; [Arsenio Jones](#); Csnow@matadorresources.com
Cc: [Ashley Giovengo](#); [Dan Moir](#)
Subject: RE: [EXTERNAL] Matador - Janie Conner Slot 2 Well Pad Harold Melton Well 13 - Incident Number nAPP2422623967 - Background Chloride Variance Request
Date: Friday, January 31, 2025 3:35:21 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good afternoon Chad,

The variance request to use the averaged background chloride values is approved. Please note, that referring to your laboratory data, the correct value for BG03 at 3' is 5,130 which when averaged with the other data collected, gives you an average of 2,763 mg/kg. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Friday, January 31, 2025 7:39 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; jason.touchet@matadorresources.com; Arsenio Jones <arsenio.jones@matadorresources.com>; Csnow@matadorresources.com
Cc: Ashley Giovengo <agiovengo@ensolum.com>; Dan Moir <dmoir@ensolum.com>
Subject: [EXTERNAL] Matador - Janie Conner Slot 2 Well Pad Harold Melton Well 13 - Incident Number nAPP2422623967 - Background Chloride Variance Request

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clicking on links or opening attachments.

Sample Point	0'	1'	2'	3'
BG01	786	697	1,210	1,800
BG02	4,210	2,770	3,540	1,890
BG03	15,100	6,860	4,710	1,890
BG04	27,100	5,560	3,830	2,230
Average chloride/background levels at depth in mg/kg	11,799 mg/kg	3,972 mg/kg	3,323 mg/kg	1,953 mg/kg

Hello,

Matador Production Company (Matador) is requesting a *background chloride variance* at the Janie Conner Slot 2 Well Pad Harold Melton Well 13 (Site) (Incident Number nAPP2422623967). On August 12, 2024, equipment failure during fracking operations resulted in the release of approximately 24 barrels (bbls) of produced water; 20 bbls were recovered from the release area. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on August 13, 2024, via web portal. The release occurred on a pad and did not impact any off-pad areas.

A desktop review for potential site receptors has been completed for this Site and according to the New Mexico Office of the State Engineer (NMOSE), the closest depth to groundwater measurement is NMOSE well C-04828 POD1 with a depth to groundwater measurement of greater than 55 feet below ground surface (bgs); the well is 0.39 miles from the Site and the date of the last recorded measurement was on June 13, 2024. 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 closest significant watercourse is an irrigation canal located approximately 466 feet northeast of the Site. The Site is not underlain by unstable geology (medium potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Figure 1 depicts sensitive receptors applicable to the Site. Based on the results of the desktop review and a readjustment of the approved chloride variance request, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 1,000mg/kg GRO/DRO, 2,500 mg/kg GRO/DRO/ORO and 10,000 mg/kg chloride.

On January 13, 2025, Ensolum personnel advanced four boreholes (BG01 through BG04, Figure 2) in areas that had not been previously disturbed by oil and gas operations previously selected by NMOCD personnel during our correspondence on December 19, 2024, at depths ranging from ground surface to 3 feet bgs at the Site (See Figure 2). Laboratory analytical results indicated the presence of naturally occurring chloride concentrations in soil exceeding 600 parts per million (ppm) (also measured as mg/kg) in all four of the undisturbed areas, with a maximum chloride concentration of 27,100 mg/kg detected at BG04. When detected, the elevated concentrations occurred starting at ground surface. (See Table 2).

Naturally occurring chloride concentrations ranging from 697 mg/kg to 27,100 mg/kg off pad has been documented.

Based on assessments of naturally occurring chloride concentrations beneath and adjacent to the Site, Ensolum, on behalf of Matador, is proposing an adjusted Closure Criteria and sampling variance be considered for remediation of the Site, which includes the following:

- Lateral delineation to meet a chloride variance of 11,799 mg/kg and 100 mg/kg for TPH; this is an average concentration of all sample collected at ground surface within the background sampling locations.

Matador is requesting this *background chloride and sampling variance* in order to remediate/excavate soil in the release area that exceed naturally occurring chloride concentrations. Matador will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the regional geology with documented elevated chloride levels at or near the Site, Matador believes this *variance request* will provide equal or better protection of public health and the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2420927733).

Thanks,



Chad Hamilton

Staff Geologist

940-923-0072

Ensolum, LLC

in f 

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 373176

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 373176
	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 slot 2 well pad Harold Melton Well 132 H
Date Release Discovered	08/12/2024
Surface Owner	Private

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

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 24 BBL Recovered: 20 BBL Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 373176

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 373176
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response

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

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

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
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Oil Conservation Division
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ACKNOWLEDGMENTS

Action 373176

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 373176
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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CONDITIONS

Action 373176

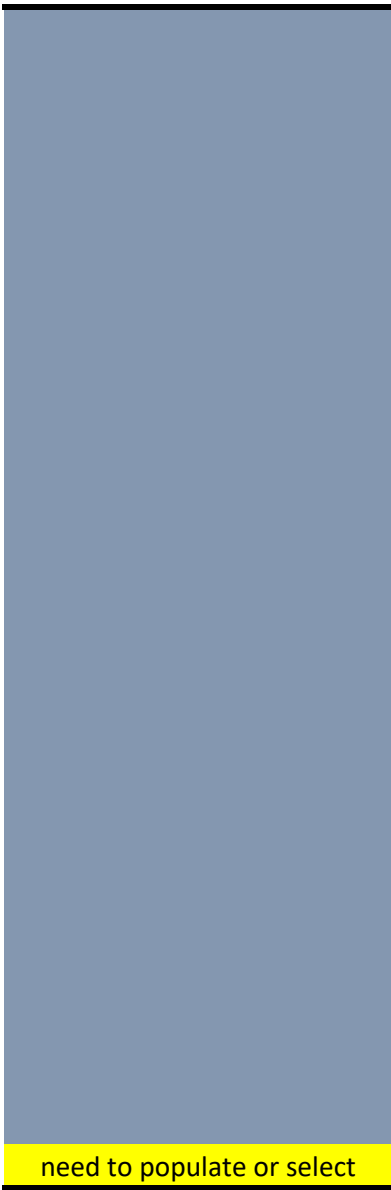
CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 373176
	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.	8/13/2024

Impacted Soil	
Saturated Soil (inches)	
	3.2
Spill Area (sq ft)	
	425
Standing fluids	
inches of standing fluid	
bbl estimate of standing fluids	
barrels recovered (if known)	
	20
Soil type	
	pad caliche
Spill type	
	produced water
Barrel estimate in soil	
	4.0
Barrel estimate (standing fluids/ recovered+in soil)	
	24.0



need to populate or select

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QUESTIONS

Action 373840

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 373840
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422623967
Incident Name	NAPP2422623967 JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13 @ 30-015-54900
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-54900] HARROLD MELTON FEDERAL COM #132H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Janie Conner slot 2 well pad Harold Melton Well 132H
Date Release Discovered	08/12/2024
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: Equipment Failure Other (Specify) Produced Water Released: 24 BBL Recovered: 20 BBL Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Action 373840

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 373840
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 08/14/2024
--	--

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QUESTIONS, Page 3

Action 373840

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 373840
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Action 373840

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 373840
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/14/2024

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QUESTIONS

Action 419739

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419739
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422623967
Incident Name	NAPP2422623967 JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13 @ 30-015-54900
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-54900] HAROLD MELTON FEDERAL COM #132H

Location of Release Source	
Site Name	JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13
Date Release Discovered	08/12/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	45,517
What is the estimated number of samples that will be gathered	228
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/15/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Chad Hamilton (940) 923-0072
Please provide any information necessary for navigation to sampling site	32.22156,-104.05138

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Phone: (505) 476-3441

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CONDITIONS

Action 419739

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419739
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/13/2025

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QUESTIONS

Action 419742

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419742
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422623967
Incident Name	NAPP2422623967 JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13 @ 30-015-54900
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-54900] HAROLD MELTON FEDERAL COM #132H

Location of Release Source	
Site Name	JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13
Date Release Discovered	08/12/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	45,517
What is the estimated number of samples that will be gathered	228
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/16/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Chad Hamilton (940) 923-0072
Please provide any information necessary for navigation to sampling site	32.22156,-104.05138

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CONDITIONS

Action 419742

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419742
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/13/2025

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QUESTIONS

Action 419744

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419744
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422623967
Incident Name	NAPP2422623967 JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13 @ 30-015-54900
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-54900] HAROLD MELTON FEDERAL COM #132H

Location of Release Source	
Site Name	JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13
Date Release Discovered	08/12/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	45,517
What is the estimated number of samples that will be gathered	228
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Chad Hamilton (940) 923-0072
Please provide any information necessary for navigation to sampling site	32.22156,-104.05138

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CONDITIONS

Action 419744

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 419744
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/13/2025

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QUESTIONS

Action 421263

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 421263
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422623967
Incident Name	NAPP2422623967 JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13 @ 30-015-54900
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-54900] HARROLD MELTON FEDERAL COM #132H

Location of Release Source	
Site Name	JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13
Date Release Discovered	08/12/2024
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	45,517
What is the estimated number of samples that will be gathered	288
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/20/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Chad Hamilton (940) 923-0072
Please provide any information necessary for navigation to sampling site	32.22156,-104.05138

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CONDITIONS

Action 421263

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 421263
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/15/2025

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QUESTIONS

Action 427152

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 427152
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422623967
Incident Name	NAPP2422623967 JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13 @ 30-015-54900
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-54900] HARROLD MELTON FEDERAL COM #132H

Location of Release Source	
Site Name	JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13
Date Release Discovered	08/12/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,400
What is the estimated number of samples that will be gathered	11
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Chad Hamilton 940-923-0072
Please provide any information necessary for navigation to sampling site	32.22156, -104.05138

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CONDITIONS

Action 427152

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 427152
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/31/2025

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QUESTIONS

Action 438605

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438605
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422623967
Incident Name	NAPP2422623967 JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13 @ 30-015-54900
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-54900] HARROLD MELTON FEDERAL COM #132H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JANIE CONNER SLOT 2 WELL PAD HAROLD MELTON WELL 13
Date Release Discovered	08/12/2024
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: Equipment Failure Other (Specify) Produced Water Released: 24 BBL Recovered: 20 BBL Lost: 4 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)	Not answered.

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General Information
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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 2

Action 438605

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438605
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 03/04/2025
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QUESTIONS, Page 3

Action 438605

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438605
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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)	37700
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	56700
GRO+DRO (EPA SW-846 Method 8015M)	30100
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	01/13/2025
On what date will (or did) the final sampling or liner inspection occur	02/05/2025
On what date will (or was) the remediation complete(d)	02/05/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	47485
What is the estimated volume (in cubic yards) that will be remediated	1120
<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 438605

QUESTIONS (continued)

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	Action Number: 438605
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land LLC and R360 Hobbs NM
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: 03/04/2025
<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 438605

QUESTIONS (continued)

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	Action Number: 438605
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 438605

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438605
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	427152
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2025
What was the (estimated) number of samples that were to be gathered	11
What was the sampling surface area in square feet	4400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	47485
What was the total volume (cubic yards) remediated	1120
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	N/A

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 03/04/2025
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QUESTIONS, Page 7

Action 438605

QUESTIONS (continued)

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QUESTIONS

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

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CONDITIONS

Action 438605

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 438605
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	3/12/2025